



Reagecon

Physical & Chemical Standards



www.reagecon.com

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Introduction

Welcome to the new Reagecon Physical and Chemical Standards catalogue. Since the publication of our last laboratory reagents catalogue, substantial changes have occurred in the field of analytical chemistry. Stringent regulatory demands, combined with major economic implications and increased competitiveness places necessity for validation on every analytical test performed, either in the laboratory, or in the field. Not only must the correct result be obtained, but proof must also be provided of its fitness for purpose, validity and accuracy. Such proof must then be accessible, retrievable and presented in an easily understood format. Reagecon continue to respond to these challenges, by presenting to its customers, an ever increasing range of highly specified, stable, traceable and certified standards.

The use of standards such as calibrators or control materials can greatly increase the possibility of the analyst obtaining the correct result and can provide definitive proof of the correctness of such a result from a technical perspective.

Since the beginning of 2011, we have developed a major pipeline of new products and we now have a broader and more comprehensive range of physical and chemical standards than any other producer worldwide. We are privileged to be able to present these new ranges to you here, for the first time. Our Research and Development work is continuing at a rapid pace and several other families of products are also under development. Details of these can be viewed at www.reagecon.com

Other rapidly occurring changes in the laboratory market place include stringent regulations pertaining to the shipment of hazardous goods; the development of e-commerce and the ever increasing requirement for Scientific Knowledge.

Hazardous Goods

Products which are known to be hazardous are labelled by Reagecon in accordance with *The Globally Harmonized System of Classification and Labelling of Chemicals (GHS)*. The GHS is a system for standardizing and harmonizing the classification and labelling of chemicals.

E-Commerce

All of Reagecon's products can be purchased on line from our web based laboratory shopping facility at www.reagecon.com

Technical and Scientific Literature

As a producer of high quality physical and chemical standards, Reagecon employ a large number of scientists in areas of new product development, quality, manufacturing and technical services. Our Scientists produce a large output of original technical and scientific literature and are responsible for several publications every year relating to various aspects of analytical chemistry. A selection of these papers can be viewed and downloaded at www.reagecon.com

We hope you find this new catalogue beneficial; that the products on offer match your technical specifications; represent value for money and that they will greatly enhance your ability to achieve valid and correct analytical results now and in the future.

John J Barron
Managing Director
June 2012

Reagecon Technical Services

Laboratories today are facing new pressures, with increased regulatory demands requiring validity on every analytical test performed. Not only must the correct result be obtained, but proof must also be provided of its fitness for purpose, comparability and accuracy. Irrespective of whether your laboratory is involved in analytical chemistry, life sciences, biotechnology, the clinical or pharmaceutical industries, several factors play a role in these laboratory demands and the correct performance of your instruments and equipment is crucial.

Reagecon Technical Services has over 25 years experience of providing complete support solutions to laboratories. As a technical centre of excellence, we were the first company in Ireland to gain INAB (ISO17025) Accreditation for Volume Calibration and were the first to offer INAB Accreditation across Volume, Weighing and Temperature. Services can be provided both on your site, and in our dedicated metrology laboratory in Shannon.

Reagecon's Technical Services Department can help you to determine all of your calibration, maintenance and service requirements. We can design a full programme to meet these requirements, and project manage the entire schedule for you, providing the following benefits to you:

- Managing fewer suppliers – using one company to manage calibration and service needs for all your equipment
- Easier scheduling – with the need to only contact one company for all your equipment needs
- Reduce downtime of equipment - on-site engineers can perform all services and work around your schedule in your laboratory
- Obtain the most competitive prices- reduce indirect costs by less administration of purchase orders and invoices

Customer Case studies have shown that a saving of 55% in overheads can be made by using one supplier for all of your calibration, technical service, and support requirements.

VOLUME CALIBRATION SERVICES: REAGECON was the first company in Ireland to obtain INAB accreditation for Volume calibration and is the only company in Ireland accredited to calibrate multi-channel pipettes on customers' sites. Calibrations can be performed both on your site, and in our dedicated metrology laboratory.

WEIGHING CALIBRATION SERVICES: Reagecon offers INAB accreditation for Weighing Calibration, with all makes and models of balances catered for. This service is provided on-site to laboratories anywhere. We can provide re-certification of your check weights for daily use.

TEMPERATURE CALIBRATION SERVICES: Reagecon offers an INAB Accredited calibration service for the full range of temperature controlled enclosures,, and is the only company in Ireland to cover the scope of -196°C to +1200°C.

ELECTROCHEMISTRY INSTRUMENT CALIBRATION SERVICE: Reagecon offers a complete Electrochemistry Calibration Service. All makes and models of pH, Conductivity and DO meters are calibrated using ISO 17025 certified equipment and standards.

GENERAL EQUIPMENT CALIBRATION SERVICE: In addition to its INAB Accredited Calibration Services, Reagecon offers a comprehensive range of traceable services across the entire range of laboratory equipment. For further information please contact sales@reagecon.ie

Custom Quote Request Form



Return completed form to: Reagecon Diagnostics Date:
 Shannon Freezone
 Shannon
 Co. Clare
 Ireland
 Tel: +353 61 472622
 Email: sales@reagecon.ie
 Fax: +353 61 472642

Name: Email:

Company: Phone:

Address:

Pack size required

Matrix required (if Known)

Expected Lead-time:

Product Composition:

Analyte	Concentration
1.
2.
3.
4.
5.
6.
7.
8.
9.
10.
11.
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13.
14.
15.

Specific Requirements:

Quality at Reagecon

Quality at Reagecon

The management and staff at Reagecon are committed to developing, manufacturing, testing and delivering high quality product in optimal condition. To optimise, formalise and underpin our quality systems, Reagecon have implemented the following quality systems.



ISO9001:2008

The Quality Management System (QMS) in Reagecon is structured around ISO9001:2008 and involves all personnel in all areas of the company. Reagecon have certification since 1990 and the system ensures a structured and systematic method of working in order to meet with, and where possible, exceed customer expectations.

ISO 17025

The Laboratory at Reagecon is accredited to ISO17025 by the National Accreditation Board for a number of test methods. This accreditation is a stringent, laboratory specific QMS (Quality Management system). The standard outlines all the requirements that testing laboratories must demonstrate to prove that they are technically competent and that the laboratory generates technically validated results. Reagecon have held ISO17025 since 1990.



Certificate of Registration of Quality Management System to I.S. EN ISO 9001:2008

Reagecon Diagnostics Ltd
 Shannon Free Zone
 Shannon
 Co. Clare

NSAI certifies that the aforementioned company has been assessed and deemed to comply with the provisions of the standard referred to above in respect of:-
 The manufacture and distribution of chemicals, reagents, consumables, apparatus, safety and scientific equipment. The provision of IQ / DQ, equipment maintenance and calibration services. The provision of Vendor Managed Inventory (VMI) services to allow customers outsource the management and replenishment of their consumables and equipment.



ICP-MS, ICP Calibration Standards

Reagecon have been manufacturing Inorganic Standards, Controls and Calibrators for Spectroscopy for almost two decades. During that time, the company has established itself as the most reliable primary producer of top quality standards. Our customer base in over 80 countries is testament of our efforts to be leaders in a changing field where limits of detection and purity are becoming ever more demanding. Whether your application is ICP-MS, ICP or whether you require a single element or multi-element mixture, our products are manufactured, tested and stabilised to such a high level, that they can be used on all of these instruments.

Controlled Environment

Reagecon's standards are manufactured in a highly controlled clean room environment using:

- High purity starting materials
- Ultra-pure water, specially treated for Mass Spectroscopy Standards
- High purity matrix materials
- Pre-leached and pre-cleaned bottles

Options

Reagecon offers more options than almost any other manufacturer.

- Up to 70 single element standards
- Many multi - element mix's
- Several matrices
- Concentration options
- Pack size options
- Customised Standards

All at the highest quality and at an affordable price.

Quality Control

All metal raw materials are assayed by titration and ICP-MS prior to manufacture. Separate CRM's are used to control or calibrate the titration and ICP-MS respectively. This dual process enables the assays to be cross-checked against each other, provides two layers of traceability and quantifies the combined level of impurities in the starting material. The product is then manufactured gravimetrically using the mass balance approach: 100% - sum of all impurities (w/w).

The assay of the final product is certified using the gravimetric result corrected for density. Prior to bottling, the finished product is again tested and verified using an ICP-MS instrument calibrated with appropriate CRM's.

Certification

Reagecon's ICP-MS, ICP Standards are prepared gravimetrically on a weight/weight basis from the purest available raw materials on the market. Both solute and solvent are weighed on balances calibrated by Reagecon's engineers using OIML traceable weights. Reagecon holds ISO 17025 accreditation for calibration of non-automatic weighing machines (INAB ref: 265C). The resulting Balance Certificate of Calibration is issued in accordance with the requirements of ISO/IEC 17025.



Traceability

The content of the starting material for each single element or multi-element standard is established by titration. The resulting analysis is directly traceable to a relevant NIST standard where available. All of the resulting uncertainties of measurement are calculated according to EURACHEM/CITAC guidelines and reported as expanded uncertainties at the 95% confidence level. Reagecon have applied for ISO 17025 accreditation for several classes of titrimetric analysis relevant to the assay of Raw Materials, for the manufacture of ICP-MS and ICP standards.

Verification of Raw Materials

The concentration of the target element of each raw material is then verified using a high performance state of the art calibrated ICP-MS instrument. The calibration of the ICP-MS is completed using high purity ISO Guide 34 certified reference materials or other internationally accepted materials (e.g. BAM from Germany). This verification procedure serves three distinct but critical purposes.

- It provides a completely independent check of the accuracy and validity of the titration assay.
- It provides traceability by comparison to a second reference, which is independent from the first Reference Material.
- It determines the level of trace elemental impurities in the starting raw materials.

Elemental Metallic Impurities

All Reagecon Standards are manufactured from the purest available raw materials. At least thirty-three starting materials are metals of > 99.999% purity. Several others are at least 99.995% pure. Most of the remaining metals or salts of metals are at least 99.99% pure. The level of impurities are quantified using ICP-MS and are measured and reported both on the starting materials and on the finished product. All of Reagecon's ICP-MS standards are manufactured in a Class 10,000 (ISO 7) clean room environment.

Final Assay and Result

Each batch of Reagecon's finalised ICP-MS standards are subjected to an assay on the instrument prior to bottling. This assay verifies the target element assay and verifies that the level of impurities have not changed significantly during the manufacturing process. The results are then reported and certified in mg/Kg and mg/L on the basis of weight and the density measurement of the standard. All of the volumetric, titrimetric and gravimetric functions are carried out under a highly regulated temperature regime, using equipment calibrated by Reagecon's engineers. Reagecon holds ISO 17025 accreditation for temperature calibration in the range of -196 to +1200°C (INAB ref: 265C). The density measurements are also highly temperature dependent and are carried out in Reagecon's specialised Density Laboratory. Reagecon have an ISO 17025 application pending for density measurement. The company is an extensive producer of density standards.



ICP - MS, ICP Single Element Standards

Product No.	Starting Material and its Purity %	Matrix	Conc µg/ml	Pack size
Aluminium				
PAL1A2	AL 99.999	2 - 5% HNO ₃ (v/v)	100	100ml
PAL2A2	AL 99.999	2 - 5% HNO ₃ (v/v)	1,000	100ml
PAL2C2	AL 99.999	2 - 5% HNO ₃ (v/v)	1,000	500ml
PAL4A2	AL 99.999	2 - 5% HNO ₃ (v/v)	10,000	100ml
PAL2A3	AL 99.999	5% HCl (v/v)	1,000	100ml
PAL2C3	AL 99.999	5% HCl (v/v)	1,000	500ml
PAL4A3	AL 99.999	5% HCl (v/v)	10,000	100ml
Antimony				
PSB1A4	Sb 99.999	1% HF + 5% HNO ₃ (v/v)	100	100ml
PSB2A4	Sb 99.999	1% HF + 5% HNO ₃ (v/v)	1,000	100ml
PSB2C4	Sb 99.999	1% HF + 5% HNO ₃ (v/v)	1,000	500ml
PSB4A4	Sb 99.999	1% HF + 5% HNO ₃ (v/v)	10,000	100ml
PSB2A5	Sb 99.999	10% HCl (v/v)	1,000	100ml
PSB2C5	Sb 99.999	10% HCl (v/v)	1,000	500ml
PSB4A5	Sb 99.999	10% HCl (v/v)	10,000	100ml
Arsenic				
PAS1A2	As 99.999	2 - 5% HNO ₃ (v/v)	100	100ml
PAS2A2	As 99.999	2 - 5% HNO ₃ (v/v)	1,000	100ml
PAS2C2	As 99.999	2 - 5% HNO ₃ (v/v)	1,000	500ml
PAS4A2	As 99.999	2 - 5% HNO ₃ (v/v)	10,000	100ml
Barium				
PBA1A2	BaCO ₃ 99.999	2 - 5% HNO ₃ (v/v)	100	100ml
PBA2A2	BaCO ₃ 99.999	2 - 5% HNO ₃ (v/v)	1,000	100ml
PBA2C2	BaCO ₃ 99.999	2 - 5% HNO ₃ (v/v)	1,000	500ml
PBA4A2	BaCO ₃ 99.999	2 - 5% HNO ₃ (v/v)	10,000	100ml
PBA2A3	BaCO ₃ 99.999	2% HCl (v/v)	1,000	100ml
PBA2C3	BaCO ₃ 99.999	2% HCl (v/v)	1,000	500ml
PBA4A3	BaCO ₃ 99.999	2% HCl (v/v)	10,000	100ml
Beryllium				
PBE1A2	BeO 99.99	2 - 5% HNO ₃ (v/v)	100	100ml
PBE2A2	BeO 99.99	2 - 5% HNO ₃ (v/v)	1,000	100ml
PBE2C2	BeO 99.99	2 - 5% HNO ₃ (v/v)	1,000	500ml
PBE4A2	BeO 99.99	2 - 5% HNO ₃ (v/v)	10,000	100ml
Bismuth				
PBI1A6	Bi 99.999	2 - 5% HNO ₃ (v/v)	100	100ml
PBI2A6	Bi 99.999	2 - 5% HNO ₃ (v/v)	1,000	100ml
PBI2C6	Bi 99.999	2 - 5% HNO ₃ (v/v)	1,000	500ml
PBI4A6	Bi 99.999	2 - 5% HNO ₃ (v/v)	10,000	100ml

Product No.	Starting Material and its Purity %	Matrix	Conc µg/ml	Pack size
Boron				
PB1A7	H ₃ BO ₃ 99.99	H ₂ O	100	100ml
PB2A7	H ₃ BO ₃ 99.99	H ₂ O	1,000	100ml
PB2C7	H ₃ BO ₃ 99.99	H ₂ O	1,000	500ml
PB4A7	H ₃ BO ₃ 99.99	H ₂ O	10,000	100ml
Cadmium				
PCD1A2	Cd 99.999	2 - 5% HNO ₃ (v/v)	100	100ml
PCD2A2	Cd 99.999	2 - 5% HNO ₃ (v/v)	1,000	100ml
PCD2C2	Cd 99.999	2 - 5% HNO ₃ (v/v)	1,000	500ml
PCD4A2	Cd 99.999	2 - 5% HNO ₃ (v/v)	10,000	100ml
PCD2A3	Cd 99.999	2% HCl (v/v)	1,000	100ml
PCD2C3	Cd 99.999	2% HCl (v/v)	1,000	500ml
Calcium				
PCA1A2	CaCO ₃ 99.995	2 - 5% HNO ₃ (v/v)	100	100ml
PCA2A2	CaCO ₃ 99.995	2 - 5% HNO ₃ (v/v)	1,000	100ml
PCA2C2	CaCO ₃ 99.995	2 - 5% HNO ₃ (v/v)	1,000	500ml
PCA4A2	CaCO ₃ 99.995	2 - 5% HNO ₃ (v/v)	10,000	100ml
PCA2A3	CaCO ₃ 99.995	2% HCl (v/v)	1,000	100ml
PCA2C3	CaCO ₃ 99.995	2% HCl (v/v)	1,000	500ml
PCA4A3	CaCO ₃ 99.995	2% HCl (v/v)	10,000	100ml
Cerium				
PCE1A2	CeO ₂ 99.99	2 - 5% HNO ₃ (v/v)	100	100ml
PCE2A2	CeO ₂ 99.99	2 - 5% HNO ₃ (v/v)	1,000	100ml
PCE2C2	CeO ₂ 99.99	2 - 5% HNO ₃ (v/v)	1,000	500ml
PCE4A2	CeO ₂ 99.99	2 - 5% HNO ₃ (v/v)	10,000	100ml
Cesium				
PCS1A2	CsCl 99.999	2 - 5% HNO ₃ (v/v)	100	100ml
PCS2A2	CsCl 99.999	2 - 5% HNO ₃ (v/v)	1,000	100ml
PCS2C2	CsCl 99.999	2 - 5% HNO ₃ (v/v)	1,000	500ml
PCS4A2	CsCl 99.999	2 - 5% HNO ₃ (v/v)	10,000	100ml
Chromium				
PCR1A2	Cr(NO ₃) ₃ ·9H ₂ O 99.99+	2 - 5% HNO ₃ (v/v)	100	100ml
PCR2A2	Cr(NO ₃) ₃ ·9H ₂ O 99.99+	2 - 5% HNO ₃ (v/v)	1,000	100ml
PCR2C2	Cr(NO ₃) ₃ ·9H ₂ O 99.99+	2 - 5% HNO ₃ (v/v)	1,000	500ml
PCR4A2	Cr(NO ₃) ₃ ·9H ₂ O 99.99+	2 - 5% HNO ₃ (v/v)	10,000	100ml
PCR2A3	Cr 99.995	2% HCl (v/v)	1,000	100ml
PCR2C3	Cr 99.995	2% HCl (v/v)	1,000	500ml
PCR4A3	Cr 99.995	2% HCl (v/v)	10,000	100ml
PCR2A7	Cr 99.995	2% HCl (v/v)	1,000	100ml
Cobalt				
PCO1A2	Co 99.995	2 - 5% HNO ₃ (v/v)	100	100ml
PCO2A2	Co 99.995	2 - 5% HNO ₃ (v/v)	1,000	100ml
PCO2C2	Co 99.995	2 - 5% HNO ₃ (v/v)	1,000	500ml
PCO4A2	Co 99.995	2 - 5% HNO ₃ (v/v)	10,000	100ml
PCO4A3	Co 99.995	2% HCl (v/v)	10,000	100ml
PCO4C3	Co 99.995	2% HCl (v/v)	10,000	500ml

Product No.	Starting Material and its Purity %	Matrix	Conc µg/ml	Pack size
Copper				
PCU1A2	Cu 99.999	2 - 5% HNO ₃ (v/v)	100	100ml
PCU2A2	Cu 99.999	2 - 5% HNO ₃ (v/v)	1,000	100ml
PCU2C2	Cu 99.999	2 - 5% HNO ₃ (v/v)	1,000	500ml
PCU4A2	Cu 99.999	2 - 5% HNO ₃ (v/v)	10,000	100ml
PCU2A3	Cu 99.999	2% HCl (v/v)	1,000	100ml
PCU2C3	Cu 99.999	2% HCl (v/v)	1,000	500ml
PCU4A3	Cu 99.999	2% HCl (v/v)	10,000	100ml
Dysprosium				
PDY1A2	DY ₂ O ₃ 99.99+	2 - 5% HNO ₃ (v/v)	100	100ml
PDY2A2	DY ₂ O ₃ 99.99+	2 - 5% HNO ₃ (v/v)	1,000	100ml
PDY2C2	DY ₂ O ₃ 99.99+	2 - 5% HNO ₃ (v/v)	1,000	500ml
PDY4A2	DY ₂ O ₃ 99.99+	2 - 5% HNO ₃ (v/v)	10,000	100ml
Erbium				
PER1A2	Er ₂ O ₃ 99.99+	2 - 5% HNO ₃ (v/v)	100	100ml
PER2A2	Er ₂ O ₃ 99.99+	2 - 5% HNO ₃ (v/v)	1,000	100ml
PER2C2	Er ₂ O ₃ 99.99+	2 - 5% HNO ₃ (v/v)	1,000	500ml
PER4A2	Er ₂ O ₃ 99.99+	2 - 5% HNO ₃ (v/v)	10,000	100ml
Europium				
PEU1A2	Eu ₂ O ₃ 99.999	2 - 5% HNO ₃ (v/v)	100	100ml
PEU2A2	Eu ₂ O ₃ 99.999	2 - 5% HNO ₃ (v/v)	1,000	100ml
PEU2C2	Eu ₂ O ₃ 99.999	2 - 5% HNO ₃ (v/v)	1,000	500ml
PEU4A2	Eu ₂ O ₃ 99.999	2 - 5% HNO ₃ (v/v)	10,000	100ml
Gadolinium				
PGD1A2	Gd ₂ O ₃ 99.995	2 - 5% HNO ₃ (v/v)	100	100ml
PGD2A2	Gd ₂ O ₃ 99.995	2 - 5% HNO ₃ (v/v)	1,000	100ml
PGD2C2	Gd ₂ O ₃ 99.995	2 - 5% HNO ₃ (v/v)	1,000	500ml
PGD4A2	Gd ₂ O ₃ 99.995	2 - 5% HNO ₃ (v/v)	10,000	100ml
Gallium				
PGA1A2	Ga 99.999	2 - 5% HNO ₃ (v/v)	100	100ml
PGA2A2	Ga 99.999	2 - 5% HNO ₃ (v/v)	1,000	100ml
PGA2C2	Ga 99.999	2 - 5% HNO ₃ (v/v)	1,000	500ml
PGA4A2	Ga 99.999	2 - 5% HNO ₃ (v/v)	10,000	100ml
Germanium				
PGE1A7	Ge 99.999	1% HF + 5% HNO ₃ (v/v)	100	100ml
PGE2A7	Ge 99.999	1% HF + 5% HNO ₃ (v/v)	1,000	100ml
PGE2C7	Ge 99.999	1% HF + 5% HNO ₃ (v/v)	1,000	500ml
PGE4A7	Ge 99.999	1% HF + 5% HNO ₃ (v/v)	10,000	100ml
Gold				
PAU1A8	Au 99.998	5% HCl (v/v)	100	100ml
PAU2A8	Au 99.998	5% HCl (v/v)	1,000	100ml
PAU2C8	Au 99.998	5% HCl (v/v)	1,000	500ml
PAU4A8	Au 99.998	5% HCl (v/v)	10,000	100ml
Hafnium				
PHF1A3	Hf 99.9	1% HF + 5% HNO ₃ (v/v)	100	100ml
PHF2A3	Hf 99.9	1% HF + 5% HNO ₃ (v/v)	1,000	100ml
PHF2C3	Hf 99.9	1% HF + 5% HNO ₃ (v/v)	1,000	500ml
PHF4A3	Hf 99.9	1% HF + 5% HNO ₃ (v/v)	10,000	100ml

Product No.	Starting Material and its Purity %	Matrix	Conc µg/m	Pack size
Holmium				
PHO1A3	Ho ₂ O ₃ 99.999	2 - 5% HNO ₃ (v/v)	100	100ml
PHO2A2	Ho ₂ O ₃ 99.999	2 - 5% HNO ₃ (v/v)	1,000	100ml
PHO2C2	Ho ₂ O ₃ 99.999	2 - 5% HNO ₃ (v/v)	1,000	500ml
PHO4A2	Ho ₂ O ₃ 99.999	2 - 5% HNO ₃ (v/v)	10,000	100ml
Indium				
PIN1A2	In 99.999	2 - 5% HNO ₃ (v/v)	100	100ml
PIN2A2	In 99.999	2 - 5% HNO ₃ (v/v)	1,000	100ml
PIN2C2	In 99.999	2 - 5% HNO ₃ (v/v)	1,000	500ml
PIN4A2	In 99.999	2 - 5% HNO ₃ (v/v)	10,000	100ml
Iridium				
PIR1A8	(NH ₄) ₂ IrCl ₆ 99.998	5% HCl (v/v)	100	100ml
PIR2A8	(NH ₄) ₂ IrCl ₆ 99.998	5% HCl (v/v)	1,000	100ml
PIR2C8	(NH ₄) ₂ IrCl ₆ 99.998	5% HCl (v/v)	1,000	500ml
PIR4A8	(NH ₄) ₂ IrCl ₆ 99.998	5% HCl (v/v)	10,000	100ml
Iron				
PFE1A2	Fe 99.999	2 - 5% HNO ₃ (v/v)	100	100ml
PFE2A2	Fe 99.999	2 - 5% HNO ₃ (v/v)	1,000	100ml
PFE2C2	Fe 99.999	2 - 5% HNO ₃ (v/v)	1,000	500ml
PFE4A2	Fe 99.999	2 - 5% HNO ₃ (v/v)	10,000	100ml
PFE2A3	Fe 99.999	2 - 5% HCl (v/v)	1,000	100ml
PFE2C3	Fe 99.999	2 - 5% HCl (v/v)	1,000	500ml
PFE4A3	Fe 99.999	2 - 5% HCl (v/v)	10,000	100ml
Lanthanum				
PLA1A2	La ₂ O ₃ 99.999	2 - 5% HNO ₃ (v/v)	100	100ml
PLA2A2	La ₂ O ₃ 99.999	2 - 5% HNO ₃ (v/v)	1,000	100ml
PLA2C2	La ₂ O ₃ 99.999	2 - 5% HNO ₃ (v/v)	1,000	500ml
PLA4A2	La ₂ O ₃ 99.999	2 - 5% HNO ₃ (v/v)	10,000	100ml
Lead				
PPB1A2	Pb 99.999	2 - 5% HNO ₃ (v/v)	100	100ml
PPB2A2	Pb 99.999	2 - 5% HNO ₃ (v/v)	1,000	100ml
PPB2C2	Pb 99.999	2 - 5% HNO ₃ (v/v)	1,000	500ml
PPB4A2	Pb 99.999	2 - 5% HNO ₃ (v/v)	10,000	100ml



Product No.	Starting Material and its Purity %	Matrix	Conc µg/ml	Pack size
Lithium				
PLI1A2	Li ₂ CO ₃ 99.997	2 - 5% HNO ₃ (v/v)	100	100ml
PLI2A2	Li ₂ CO ₃ 99.997	2 - 5% HNO ₃ (v/v)	1,000	100ml
PLI2C2	Li ₂ CO ₃ 99.997	2 - 5% HNO ₃ (v/v)	1,000	500ml
PLI4A2	Li ₂ CO ₃ 99.997	2 - 5% HNO ₃ (v/v)	10,000	100ml
PLI2A3	Li ₂ CO ₃ 99.997	2 - 5% HCl (v/v)	1,000	100ml
PLI2C3	Li ₂ CO ₃ 99.997	2 - 5% HCl (v/v)	1,000	500ml
PLI4A3	Li ₂ CO ₃ 99.997	2 - 5% HCl (v/v)	10,000	100ml
Lutetium				
PLU1A2	Lu ₂ O ₃ 99.99	2 - 5% HNO ₃ (v/v)	100	100ml
PLU2A2	Lu ₂ O ₃ 99.99	2 - 5% HNO ₃ (v/v)	1,000	100ml
PLU2C2	Lu ₂ O ₃ 99.99	2 - 5% HNO ₃ (v/v)	1,000	500ml
PLU4A2	Lu ₂ O ₃ 99.99	2 - 5% HNO ₃ (v/v)	10,000	100ml
Magnesium				
PMG1A2	Mg 99.99	2 - 5% HNO ₃ (v/v)	100	100ml
PMG2A2	Mg 99.99	2 - 5% HNO ₃ (v/v)	1,000	100ml
PMG2C2	Mg 99.99	2 - 5% HNO ₃ (v/v)	1,000	500ml
PMG4A2	Mg 99.99	2 - 5% HNO ₃ (v/v)	10,000	100ml
PMG2A3	Mg 99.99	2 - 5% HCl (v/v)	1,000	100ml
PMG2C3	Mg 99.99	2 - 5% HCl (v/v)	1,000	500ml
PMG4A3	Mg 99.99	2 - 5% HCl (v/v)	10,000	100ml
Manganese				
PMN1A2	Mn 99.98	2 - 5% HNO ₃ (v/v)	100	100ml
PMN2A2	Mn 99.98	2 - 5% HNO ₃ (v/v)	1,000	100ml
PMN2C2	Mn 99.98	2 - 5% HNO ₃ (v/v)	1,000	500ml
PMN4A2	Mn 99.98	2 - 5% HNO ₃ (v/v)	10,000	100ml
Mercury				
PHG1A6	Hg 99.999+	2 - 5% HNO ₃ (v/v)	100	100ml
PHG2A6	Hg 99.999+	2 - 5% HNO ₃ (v/v)	1,000	100ml
PHG2C6	Hg 99.999+	2 - 5% HNO ₃ (v/v)	1,000	500ml
PHG4A6	Hg 99.999+	2 - 5% HNO ₃ (v/v)	10,000	100ml
Molybdenum				
PMO1A7	Mo 99.999	2% NH ₄ OH (v/v)	100	100ml
PMO2A7	Mo 99.999	2% NH ₄ OH (v/v)	1,000	100ml
PMO2C7	Mo 99.999	2% NH ₄ OH (v/v)	1,000	500ml
PMO4A7	Mo 99.999	2% NH ₄ OH (v/v)	10,000	100ml
Neodymium				
PND1A2	Nd ₂ O ₃ 99.99	2 - 5% HNO ₃ (v/v)	100	100ml
PND2A2	Nd ₂ O ₃ 99.99	2 - 5% HNO ₃ (v/v)	1,000	100ml
PND2C2	Nd ₂ O ₃ 99.99	2 - 5% HNO ₃ (v/v)	1,000	500ml
PND4A2	Nd ₂ O ₃ 99.99	2 - 5% HNO ₃ (v/v)	10,000	100ml
Nickel				
PNI1A2	Ni 99.999	2 - 5% HNO ₃ (v/v)	100	100ml
PNI2A2	Ni 99.999	2 - 5% HNO ₃ (v/v)	1,000	100ml
PNI2C2	Ni 99.999	2 - 5% HNO ₃ (v/v)	1,000	500ml
PNI4A2	Ni 99.999	2 - 5% HNO ₃ (v/v)	10,000	100ml
Niobium				
PNB1A9	Nb 99.9+	1% HF + 5% HNO ₃ (v/v)	100	100ml
PNB2A9	Nb 99.9+	1% HF + 5% HNO ₃ (v/v)	1,000	100ml
PNB2C9	Nb 99.9+	1% HF + 5% HNO ₃ (v/v)	1,000	500ml
PNB4A9	Nb 99.9+	1% HF + 5% HNO ₃ (v/v)	10,000	100ml

Product No.	Elements	Matrix	Conc µg/ml	Pack size
Palladium				
PPD1A8	Pd 99.999	5% HCl (v/v)	100	100ml
PPD2A8	Pd 99.999	5% HCl (v/v)	1,000	100ml
PPD2C8	Pd 99.999	5% HCl (v/v)	1,000	500ml
PPB4A8	Pd 99.999	5% HCl (v/v)	10,000	100ml
Phosphorus				
PP1A7	NH ₄ H ₂ PO ₄ 99.999	0.05% H ₂ SO ₄ (v/v)	100	100ml
PP2A7	NH ₄ H ₂ PO ₄ 99.999	0.05% H ₂ SO ₄ (v/v)	1,000	100ml
PP2C7	NH ₄ H ₂ PO ₄ 99.999	0.05% H ₂ SO ₄ (v/v)	1,000	500ml
PP4A7	NH ₄ H ₂ PO ₄ 99.999	0.05% H ₂ SO ₄ (v/v)	10,000	100ml
PPT1A8	Pt 99.995	5% HCl (v/v)	100	100ml
PPT2A8	Pt 99.995	5% HCl (v/v)	1,000	100ml
PPT2C8	Pt 99.995	5% HCl (v/v)	1,000	500ml
PPT4A8	Pt 99.995	5% HCl (v/v)	10,000	100ml
Potassium				
PK1A2	KNO ₃ 99.999	2 - 5% HNO ₃ (v/v)	100	100ml
PK2A2	KNO ₃ 99.999	2 - 5% HNO ₃ (v/v)	1,000	100ml
PK2C2	KNO ₃ 99.999	2 - 5% HNO ₃ (v/v)	1,000	500ml
PK4A2	KNO ₃ 99.999	2 - 5% HNO ₃ (v/v)	10,000	100ml
PK2A3	KCl 99.999	H ₂ O	1,000	100ml
PK2C3	KCl 99.999	H ₂ O	1,000	500ml
PK4A3	KCl 99.999	H ₂ O	10,000	100ml
Praseodymium				
PPR1A2	Pr ₆ O ₁₁ 99.999	5% HCl (v/v)	100	100ml
PPR2A2	Pr ₆ O ₁₁ 99.999	5% HCl (v/v)	1,000	100ml
PPR2C2	Pr ₆ O ₁₁ 99.999	5% HCl (v/v)	1,000	500ml
PPR4A2	Pr ₆ O ₁₁ 99.999	5% HCl (v/v)	10,000	100ml
Rhenium				
PRE1A7	NH ₄ ReO ₄ 99.999	H ₂ O	100	100ml
PRE2A7	NH ₄ ReO ₄ 99.999	H ₂ O	1,000	100ml
PRE2C7	NH ₄ ReO ₄ 99.999	H ₂ O	1,000	500ml
PRE4A7	NH ₄ ReO ₄ 99.999	H ₂ O	10,000	100ml
Rhodium				
PRH1A8	(NH ₄) ₃ RhCl ₆ 99.99	5% HCl (v/v)	100	100ml
PRH2A8	(NH ₄) ₃ RhCl ₆ 99.99	5% HCl (v/v)	1,000	100ml
PRH2C8	(NH ₄) ₃ RhCl ₆ 99.99	5% HCl (v/v)	1,000	500ml
PRH4A8	(NH ₄) ₃ RhCl ₆ 99.99	5% HCl (v/v)	10,000	100ml
Rubidium				
PRB1A2	RbNO ₃ 99.99	2 - 5% HNO ₃ (v/v)	100	100ml
PRB2A2	RbNO ₃ 99.99	2 - 5% HNO ₃ (v/v)	1,000	100ml
PRB2C2	RbNO ₃ 99.99	2 - 5% HNO ₃ (v/v)	1,000	500ml
PRB4A2	RbNO ₃ 99.99	2 - 5% HNO ₃ (v/v)	10,000	100ml
Ruthenium				
PRU1A8	(NH ₄) ₃ RuCl ₆ 99.99	5% HCl (v/v)	100	100ml
PRU2A8	(NH ₄) ₃ RuCl ₆ 99.99	5% HCl (v/v)	1,000	100ml
PRU2C8	(NH ₄) ₃ RuCl ₆ 99.99	5% HCl (v/v)	1,000	500ml
PRU4A8	(NH ₄) ₃ RuCl ₆ 99.99	5% HCl (v/v)	10,000	100ml

Product No.	Elements	Matrix	Conc µg/ml	Pack size
Samarium				
PSM1A2	Sm ₂ O ₃ 99.99	2 - 5% HNO ₃ (v/v)	100	100ml
PSM2A2	Sm ₂ O ₃ 99.99	2 - 5% HNO ₃ (v/v)	1,000	100ml
PSM2C2	Sm ₂ O ₃ 99.99	2 - 5% HNO ₃ (v/v)	1,000	500ml
PSM4A2	Sm ₂ O ₃ 99.99	2 - 5% HNO ₃ (v/v)	10,000	100ml
Scandium				
PSC1A2	Sc ₂ O ₃ 99.999	2 - 5% HNO ₃ (v/v)	100	100ml
PSC2A2	Sc ₂ O ₃ 99.999	2 - 5% HNO ₃ (v/v)	1,000	100ml
PSC2C2	Sc ₂ O ₃ 99.999	2 - 5% HNO ₃ (v/v)	1,000	500ml
PSC4A2	Sc ₂ O ₃ 99.999	2 - 5% HNO ₃ (v/v)	10,000	100ml
Selenium				
PSE1A2	Se 99.999	2 - 5% HNO ₃ (v/v)	100	100ml
PSE2A2	Se 99.999	2 - 5% HNO ₃ (v/v)	1,000	100ml
PSE2C2	Se 99.999	2 - 5% HNO ₃ (v/v)	1,000	500ml
PSE4A2	Se 99.999	2 - 5% HNO ₃ (v/v)	10,000	100ml
Silicon				
PSI1A9	(NH ₄) ₂ SiF ₆ 99.99	0.05% HF (v/v)	100	100ml
PSI2A9	(NH ₄) ₂ SiF ₆ 99.99	0.05% HF (v/v)	1,000	100ml
PSI2C9	(NH ₄) ₂ SiF ₆ 99.99	0.05% HF (v/v)	1,000	500ml
PSI4A9	(NH ₄) ₂ SiF ₆ 99.99	0.05% HF (v/v)	10,000	100ml
PSI2A7	Na ₂ SiO ₃ 99.9	H ₂ O	1,000	100ml
PSI2C7	Na ₂ SiO ₃ 99.9	H ₂ O	1,000	500ml
PSI4A7	Na ₂ SiO ₃ 99.9	H ₂ O	10,000	100ml
Silver				
PAG1A2	Ag 99.999	2 - 5% HNO ₃ (v/v)	100	100ml
PAG2A2	Ag 99.999	2 - 5% HNO ₃ (v/v)	1,000	100ml
PAG2C2	Ag 99.999	2 - 5% HNO ₃ (v/v)	1,000	500ml
PAG4A2	Ag 99.999	2 - 5% HNO ₃ (v/v)	10,000	100ml
Sodium				
PNA1A2	NaNO ₃ 99.99	2 - 5% HNO ₃ (v/v)	100	100ml
PNA2A2	NaNO ₃ 99.99	2 - 5% HNO ₃ (v/v)	1,000	100ml
PNA2C2	NaNO ₃ 99.99	2 - 5% HNO ₃ (v/v)	1,000	500ml
PNA4A2	NaNO ₃ 99.99	2 - 5% HNO ₃ (v/v)	10,000	100ml
PNA2A3	NaCl 99.999	H ₂ O	1,000	100ml
PNA2C3	NaCl 99.999	H ₂ O	1,000	500ml
PNA4A3	NaCl 99.999	H ₂ O	10,000	100ml
Strontium				
PSR1A2	SrCO ₃ 99.995	2 - 5% HNO ₃ (v/v)	100	100ml
PSR2A2	SrCO ₃ 99.995	2 - 5% HNO ₃ (v/v)	1,000	100ml
PSR2C2	SrCO ₃ 99.995	2 - 5% HNO ₃ (v/v)	1,000	500ml
PSR4A2	SrCO ₃ 99.995	2 - 5% HNO ₃ (v/v)	10,000	100ml
PSR2A3	SrCO ₃ 99.995	2 - 5% HCl (v/v)	1,000	100ml
PSR2C3	SrCO ₃ 99.995	2 - 5% HCl (v/v)	1,000	500ml
PSR4A3	SrCO ₃ 99.995	2 - 5% HCl (v/v)	10,000	100ml
Sulphur				
PS1A7	(NH ₄) ₂ SO ₄ 99.999	H ₂ O	100	100ml
PS2A7	(NH ₄) ₂ SO ₄ 99.999	H ₂ O	1,000	100ml
PS2C7	(NH ₄) ₂ SO ₄ 99.999	H ₂ O	1,000	500ml
PS4A7	(NH ₄) ₂ SO ₄ 99.999	H ₂ O	10,000	100ml



Product No.	Elements	Matrix	Conc µg/ml	Pack size
Tantalum				
PTA1A9	Ta 99.98	1% HF + 5% HNO ₃ (v/v)	100	100ml
PTA2A9	Ta 99.98	1% HF + 5% HNO ₃ (v/v)	1,000	100ml
PTA2C9	Ta 99.98	1% HF + 5% HNO ₃ (v/v)	1,000	500ml
PTA4A9	Ta 99.98	1% HF + 5% HNO ₃ (v/v)	10,000	100ml
Tellurium				
PTE1A10	Te 99.999	20% HCl (v/v)	100	100ml
PTE2A10	Te 99.999	20% HCl (v/v)	1,000	100ml
PTE2C10	Te 99.999	20% HCl (v/v)	1,000	500ml
Terbium				
PTB1A2	Tb ₄ O ₇ 99.999	2 - 5% HNO ₃ (v/v)	100	100ml
PTB2A2	Tb ₄ O ₇ 99.999	2 - 5% HNO ₃ (v/v)	1,000	100ml
PTB2C2	Tb ₄ O ₇ 99.999	2 - 5% HNO ₃ (v/v)	1,000	500ml
PTB4A2	Tb ₄ O ₇ 99.999	2 - 5% HNO ₃ (v/v)	10,000	100ml
Thallium				
PTL1A2	TlNO ₃ 99.9995	2 - 5% HNO ₃ (v/v)	100	100ml
PTL2A2	TlNO ₃ 99.9995	2 - 5% HNO ₃ (v/v)	1,000	100ml
PTL2C2	TlNO ₃ 99.9995	2 - 5% HNO ₃ (v/v)	1,000	500ml
PTL4A2	TlNO ₃ 99.9995	2 - 5% HNO ₃ (v/v)	10,000	100ml
Thorium				
PTH1A2	ThO ₂ 99.95	2 - 5% HNO ₃ (v/v)	100	100ml
PTH2A2	ThO ₂ 99.95	2 - 5% HNO ₃ (v/v)	1,000	100ml
PTH2C2	ThO ₂ 99.95	2 - 5% HNO ₃ (v/v)	1,000	500ml
PTH4A2	ThO ₂ 99.95	2 - 5% HNO ₃ (v/v)	10,000	100ml
Thulium				
PTM1A2	Tm ₂ O ₃ 99.99	2 - 5% HNO ₃ (v/v)	100	100ml
PTM2A2	Tm ₂ O ₃ 99.99	2 - 5% HNO ₃ (v/v)	1,000	100ml
PTM2C2	Tm ₂ O ₃ 99.99	2 - 5% HNO ₃ (v/v)	1,000	500ml
PTM4A2	Tm ₂ O ₃ 99.99	2 - 5% HNO ₃ (v/v)	10,000	100ml

Product No.	Elements	Matrix	Conc µg/ml	Pack size
Tin				
PSN1A5	Sn 99.999	1% HF + 5% HNO ₃ (v/v)	100	100ml
PSN2A5	Sn 99.999	1% HF + 5% HNO ₃ (v/v)	1,000	100ml
PSN2C5	Sn 99.999	1% HF + 5% HNO ₃ (v/v)	1,000	500ml
PSN4A5	Sn 99.999	1% HF + 5% HNO ₃ (v/v)	10,000	100ml
PSN2A13	Sn 99.999	10% HCl (v/v)	1,000	100ml
PSN2C13	Sn 99.999	10% HCl (v/v)	1,000	500ml
PSN4A19	Sn 99.999	20% HCl (v/v)	10,000	100ml
Titanium				
PTI1A9	Ti 99.98	1% HF + 5% HNO ₃ (v/v)	100	100ml
PTI2A9	Ti 99.98	1% HF + 5% HNO ₃ (v/v)	1,000	100ml
PTI2C9	Ti 99.98	1% HF + 5% HNO ₃ (v/v)	1,000	500ml
PTI4A9	Ti 99.98	1% HF + 5% HNO ₃ (v/v)	10,000	100ml
Tungsten				
PW2A7	W 99.99+	2% NH ₄ OH (v/v)	1,000	100ml
PW2C7	W 99.99+	2% NH ₄ OH (v/v)	1,000	500ml
PW4A7	W 99.99+	2% NH ₄ OH (v/v)	10,000	100ml
Uranium				
PU1A2	U ₃ O ₈ 99.95	2 - 5% HNO ₃ (v/v)	100	100ml
PU2A2	U ₃ O ₈ 99.95	2 - 5% HNO ₃ (v/v)	1,000	100ml
PU2C2	U ₃ O ₈ 99.95	2 - 5% HNO ₃ (v/v)	1,000	500ml
PU4A2	U ₃ O ₈ 99.95	2 - 5% HNO ₃ (v/v)	10,000	100ml
Vanadium				
PV1A19	NH ₄ VO ₃ 99.95+	2 - 5% HNO ₃ (v/v)	100	100ml
PV2A19	NH ₄ VO ₃ 99.95+	2 - 5% HNO ₃ (v/v)	1,000	100ml
PV2C19	NH ₄ VO ₃ 99.95+	2 - 5% HNO ₃ (v/v)	1,000	500ml
PV4A19	NH ₄ VO ₃ 99.95+	2 - 5% HNO ₃ (v/v)	10,000	100ml
Ytterbium				
PYB2A2	Yb ₂ O ₃ 99.99	2 - 5% HNO ₃ (v/v)	1,000	100ml
PYB2C2	Yb ₂ O ₃ 99.99	2 - 5% HNO ₃ (v/v)	1,000	500ml
PYB4A2	Yb ₂ O ₃ 99.99	2 - 5% HNO ₃ (v/v)	10,000	100ml
Yttrium				
PY1A2	Y ₂ O ₃ 99.999	2 - 5% HNO ₃ (v/v)	100	100ml
PY2A2	Y ₂ O ₃ 99.999	2 - 5% HNO ₃ (v/v)	1,000	100ml
PY2C2	Y ₂ O ₃ 99.999	2 - 5% HNO ₃ (v/v)	1,000	500ml
PY4A2	Y ₂ O ₃ 99.999	2 - 5% HNO ₃ (v/v)	10,000	100ml
Zinc				
PZN1A2	Zn 99.999	2 - 5% HNO ₃ (v/v)	100	100ml
PZN2A2	Zn 99.999	2 - 5% HNO ₃ (v/v)	1,000	100ml
PZN2C2	Zn 99.999	2 - 5% HNO ₃ (v/v)	1,000	500ml
PZN4A2	Zn 99.999	2 - 5% HNO ₃ (v/v)	10,000	100ml
PZN2A3	Zn 99.999	2% HCl (v/v)	1,000	100ml
PZN2C3	Zn 99.999	2% HCl (v/v)	1,000	500ml
PZN4A3	Zn 99.999	2% HCl (v/v)	10,000	100ml
Zirconium				
PZR1A2	Zr 99.98	1% HF + 5% HNO ₃ (v/v)	100	100ml
PZR2A2	Zr 99.98	1% HF + 5% HNO ₃ (v/v)	1,000	100ml
PZR2C2	Zr 99.98	1% HF + 5% HNO ₃ (v/v)	1,000	500ml
PZR4A2	Zr 99.98	1% HF + 5% HNO ₃ (v/v)	10,000	100ml

ICP - MS, ICP Multi Element Standards

Product No.	Elements	Conc µg/ml	Matrix	Pack size
Internal Standard Mix 1				
REICPIS1	Bi	100	10% HNO ₃	100ml
	Ge	100		
	In	100		
	Li 6	100		
	Lu	100		
	Rh	100		
	Sc	100		
	Tb	100		
Internal Standards Mix 2				
REICPIS2	Bi	100	3% HNO ₃	100ml
	In	100		
	Li 6	100		
	Sc	100		
	Tb	100		
	Y	100		
Internal Standard Mix 3				
REICPIS3	Bi	100	7% HNO ₃	100ml
	Ho	100		
	In	100		
	Li 6	100		
	Rh	100		
	Sc	100		
	Tb	100		
	Y	100		
USP 232/233 Compliance 1				
REICPUSP1	As	15	7% HNO ₃	100ml
	Cd	5		
	Cr	250		
	Cu	2500		
	Hg	15		
	Mn	2500		
	Mo	250		
	Ni	250		
	Pb	10		
	V	250		

Product No.	Elements	Conc µg/ml	Matrix	Pack size
USP 232/233 Compliance 2				
REICPUSP2	Ir	100	15% HCl	100ml
	Os	100		
	Pd	100		
	Pt	100		
	Rh	100		
	Ru	100		
Turning Solution 1				
REICPTUNE1	Ce	10	2% HNO ₃	100ml
	Co	10		
	Li 7	10		
	Tl	10		
	Y	10		
Turning Solution 2				
REICPTUNE2	Ce	10	2% HNO ₃	100ml
	Li 7	10		
	Tl	10		
	Y	10		
Turning Solution 3				
REICPTUNE3	Ba	10	5% HNO ₃	100ml
	Be	10		
	Ce	10		
	Co	10		
	In	10		
	Li	10		
	Mg	10		
	Pb	10		
	Rh	10		
	Tl	10		
	U	10		
	Y	10		
Turning Solution 4				
REICPTUNE4	Ba	10	2% HNO ₃	100ml
	Be	10		
	Ce	10		
	Co	10		
	In	10		
	Mg	10		
	Pb	10		
	Rh	10		
	U	10		
Turning Solution 5				
REICPTUNE5	Ba	10	5% HNO ₃	100ml
	Be	10		
	Bi	10		
	Ce	10		
	Co	10		
	In	10		
	Li	10		
	Ni	10		
	Pb	10		
	U	10		

Product No.	Elements	Conc µg/ml	Matrix	Pack size
Turning Solution 6				
REICPTUNE6	Ca	10	5% HNO ₃	100ml
	Fe	10		
	K	10		
	Li	10		
	Na	10		
ICP Multi Element Standard				
ICP-JM-ME4A	AL	8	5% HCl	500ml
	Ca	4		
	Ce	4		
	Co	4		
	Cr	4		
	Cu	4		
	Fe	4		
	Ni	4		
	P	4		
	S	4		
	Zn	4		
	K	4		
	La	4		
	Si	4		
	Mg	1.6		
	Mn	1.6		
	Na	1.6		
	Pd	1.6		
ICP Multi Element Standard				
ICP-WY-95	K	1000	2% HNO ₃	500ml
	Ca	500		
	P	400		
	Na	240		
	Mg	100		
	Fe	10		
	Zn	6		
	Cu	1		
	Mn	1		
ICP Multi Element Standard				
ICP-JM-ME10A	Al	20	5% HCl	500ml
	Ca	10		
	Ce	10		
	Co	10		
	Cr	10		
	Cu	10		
	Fe	10		
	Ni	10		
	P	10		
	S	10		
	Zn	10		
	K	10		
	La	10		
	Si	10		
	Mg	4		
	Mn	4		
	Na	4		
	Pd	4		

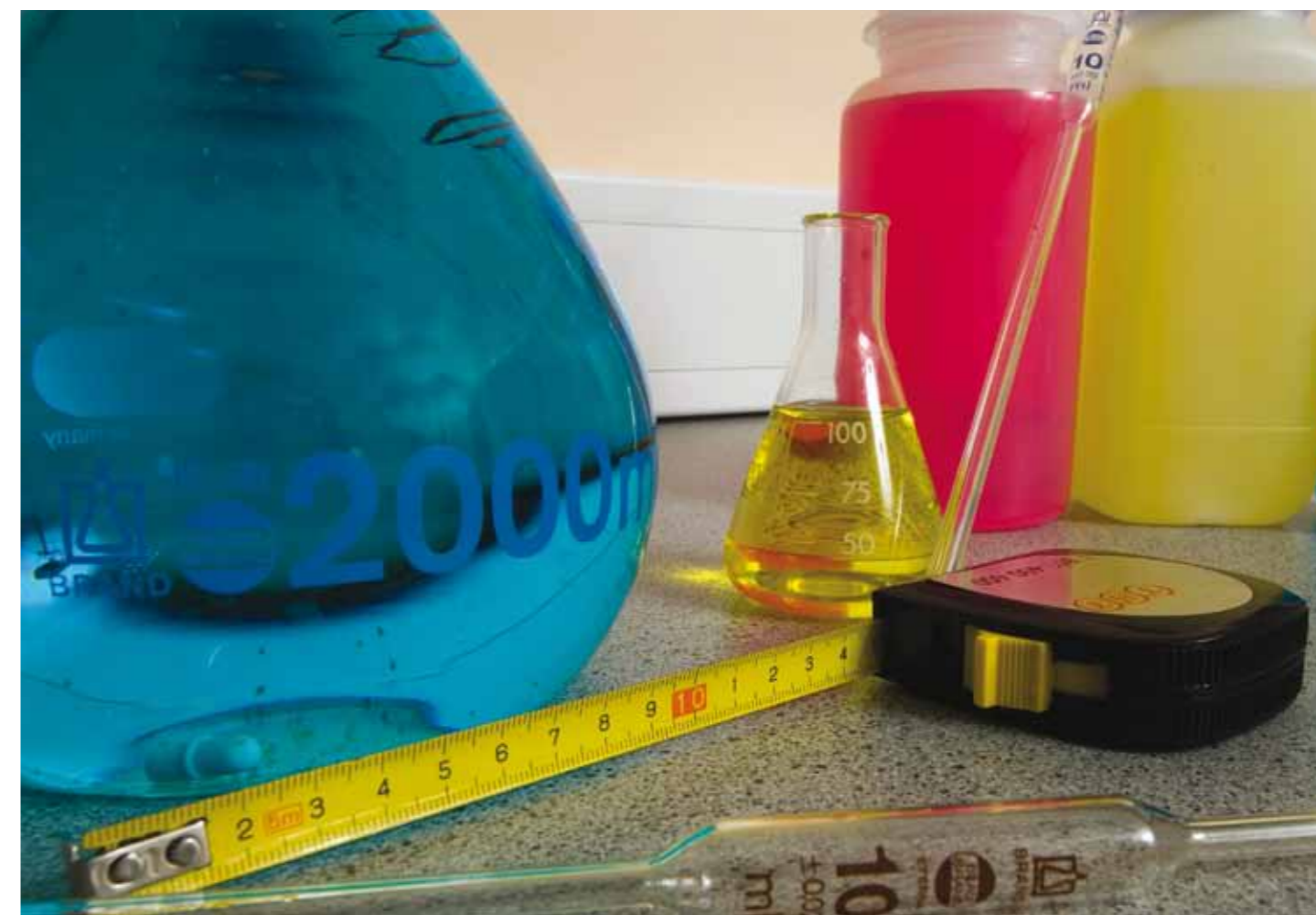
Product No.	Elements	Conc µg/ml	Matrix	Pack size
ICP Multi Element Standard				
ICP23A20	As	100	5% HNO ₃ & 0.2% HF	100ml
	Be	100		
	Ca	100		
	Cd	100		
	Co	100		
	Cr	100		
	Cu	100		
	Fe	100		
	Li	100		
	Mg	100		
	Mn	100		
	Mo	100		
	Ni	100		
	P	100		
	Pb	100		
	Sb	100		
	Se	100		
	Sn	100		
	Sr	100		
	Ti	100		
TL	100			
V	100			
Zn	100			
ICP Multi Element Standard				
ICP-TG-85	Ca	50	0.1% HNO ₃	500ml
	K	13		
	Mg	10		
	Na	10		
	Cu	0.6		
	Zn	0.6		
	Mn	0.6		
Fe	0.6			
ICP Multi Element Standard				
ICP7A20	Ag	50	5% HNO ₃ & 0.2% HF	100ml
	AL	100		
	B	100		
	Ba	100		
	Na	100		
	K	1000		
	Si	500		
ICP Multi Element Standard				
ICP-LX-4-25	Sn	1	7% HCl	250ml
	Au	1		
	Pd	1		
	Rh	1		

Product No.	Elements	Conc µg/ml	Matrix	Pack size
ICP Multi Element Standard				
ICP19A10	AL	100	2% HNO ₃	100ml
	Ba	5		
	Be	1		
	Bi	200		
	B	15		
	Cd	20		
	Cr	25		
	Co	20		
	Cu	30		
	Ga	150		
	In	200		
	Fe	15		
	Pb	200		
	Mn	5		
	Ni	50		
	Ag	50		
Sr	1			
Tl	40			
Zn	20			
ICP Multi Element Standard				
ICP15A10	AL	100	2-5% HNO ₃	100ml
	Ba	100		
	Ca	100		
	Cd	100		
	Co	100		
	Cr	100		
	Cu	100		
	Fe	100		
	Mg	100		
	Mn	100		
	Na	100		
	Ni	100		
	Pb	100		
	Ti	100		
Zn	100			
ICP Multi Element Standard in H2O				
ICP-HR-25	S	100	H ₂ O	500ml
	Si	100		
ICP Multi Element Standard				
ICP-VL-51	Mg	1500	2% HNO ₃	100ml
	Fe	100		
	K	25		
	S	25		
Mn	5			
ICP Multi Element Standard 5 Analytes in 2% HNO3 or 2% HCL				
STD2-GLO-5-500	Ca	1000	2% HNO ₃	500ml
	Na	1000		
	Fe	200		
	Mg	200		
	K	100		



Product No.	Elements	Conc µg/ml	Matrix	Pack size
ICP Multi Element Standard				
ICP-AGB-171	Cl	100	2-5% HNO ₃	2 x 1L
	As	10		
	Ca	10		
	Co	10		
	Cu	10		
	K	10		
	P	10		
	Pb	10		
	S	10		
	Se	10		
	TL	10		
	AL	1		
	Ba	1		
	Cd	1		
	Mg	1		
	Mn	1		
Zn	1			
ICP Multi Element Standard				
ICP-PS-325M	Ga	50	5% HNO ₃ & 0.5% HCl	250ml
	Ir	10		
	Rh	10		

Product No.	Elements	Conc µg/ml	Matrix	Pack size
ICP Multi Element Standard				
ICP-HR-195	AL	100	2-5% HNO ₃	500ml
	As	100		
	Ba	100		
	Bi	100		
	Ca	100		
	Cd	100		
	Co	100		
	Cr	100		
	Cu	100		
	Mg	100		
	Mn	100		
	Mo	100		
	K	100		
	Pb	100		
	Ni	100		
	Se	100		
	Ti	100		
	V	100		
	Zn	100		
	ICP Multi Element Standard			
STD-GLO-5-500	Al	1000	6% HNO ₃	500ml
	Ca	1000		
	K	1000		
	Mg	1000		
	Na	1000		



Ion Chromatography (IC) Standards

These standards are prepared, tested, certified and verified by following the exact same regime as already presented for ICP-MS Standards. The raw material specifications are in most cases identical to the materials used for ICP-MS. All of these standards are verified by IC. Additionally, the elemental anions and cations are also analysed by ICP-MS. All results are verified on a state of the art Ion Chromatograph, which is calibrated using high purity ISO Guide 34 accredited standards, similar in concentration to the products listed below.

Anion Standards

Product No.	Ion	Starting Material	Matrix	Concentration	Pack size
Acetate					
ICAU35	CH ₃ COO-	Sodium Acetate	H ₂ O	0.1mg/ml (100ppm)	100ml
ICAS35	CH ₃ COO-	Sodium Acetate	H ₂ O	1mg/ml (1,000ppm)	100ml
ICAB35	CH ₃ COO-	Sodium Acetate	H ₂ O	1mg/ml (1,000ppm)	500ml
Bromide					
ICAU01	Br-	KBr	H ₂ O	0.1mg/ml (100ppm)	100ml
ICAS01	Br-	KBr	H ₂ O	1mg/ml (1,000ppm)	100ml
ICAB01	Br-	KBr	H ₂ O	1mg/ml (1,000ppm)	500ml
Carbonate					
ICAU22	CO ₃ ²⁻	KClO2	H ₂ O	0.1mg/ml (100ppm)	100ml
ICAS22	CO ₃ ²⁻	KClO2	H ₂ O	1mg/ml (1,000ppm)	100ml
ICAB22	CO ₃ ²⁻	KClO2	H ₂ O	1mg/ml (1,000ppm)	500ml
Chloride					
ICAU02	Cl-	KCl	H ₂ O	0.1mg/ml (100ppm)	100ml
ICAS02	Cl-	KCl	H ₂ O	1mg/ml (1,000ppm)	100ml
ICAB02	Cl-	KCl	H ₂ O	1mg/ml (1,000ppm)	500ml
Chromate					
ICAU29	CrO ₄ ²⁻	NH ₄ Cr ₂ O ₇	H ₂ O	0.1mg/ml (100ppm)	100ml
ICAS29	CrO ₄ ²⁻	NH ₄ Cr ₂ O ₇	H ₂ O	1mg/ml (1,000ppm)	100ml
ICAB29	CrO ₄ ²⁻	NH ₄ Cr ₂ O ₇	H ₂ O	1mg/ml (1,000ppm)	500ml
Cyanide					
ICAU08	CN-	NaCN	H ₂ O	0.1mg/ml (100ppm)	100ml
ICAS08	CN-	NaCN	H ₂ O	1mg/ml (1,000ppm)	100ml
ICAB08	CN-	NaCN	H ₂ O	1mg/ml (1,000ppm)	500ml
Fluoride					
ICAU03	F-	NaF 99.99	H ₂ O	0.1mg/ml (100ppm)	100ml
ICAS03	F-	NaF 99.99	H ₂ O	1mg/ml (1,000ppm)	100ml
ICAB03	F-	NaF 99.99	H ₂ O	1mg/ml (1,000ppm)	500ml

Product No.	Ion	Starting Material	Matrix	Concentration	Pack size
Formate					
ICAU34	HCOO-	Sodium Formate	H ₂ O	0.1mg/ml (100ppm)	100ml
ICAS34	HCOO-	Sodium Formate	H ₂ O	1mg/ml (1,000ppm)	100ml
ICAB34	HCOO-	Sodium Formate	H ₂ O	1mg/ml (1,000ppm)	500ml
Iodide					
ICAU40	I-	NH ₄ I	H ₂ O	0.1mg/ml (100ppm)	100ml
ICAS40	I-	NH ₄ I	H ₂ O	1mg/ml (1,000ppm)	100ml
ICAB40	I-	NH ₄ I	H ₂ O	1mg/ml (1,000ppm)	500ml
Nitrate					
ICAU04	NO ₃ -	NH ₄ NO ₃	H ₂ O	0.1mg/ml (100ppm)	100ml
ICAS04	NO ₃ -	NH ₄ NO ₃	H ₂ O	1mg/ml (1,000ppm)	100ml
ICAB04	NO ₃ -	NH ₄ NO ₃	H ₂ O	1mg/ml (1,000ppm)	500ml
Nitrite					
ICAU11	NO ₂ -	NaNO ₂	H ₂ O	0.1mg/ml (100ppm)	100ml
ICAS11	NO ₂ -	NaNO ₂	H ₂ O	1mg/ml (1,000ppm)	100ml
ICAB11	NO ₂ -	NaNO ₂	H ₂ O	1mg/ml (1,000ppm)	500ml
Oxalate					
ICAU13	(COO) ₂ ²⁻	K ₂ C ₂ O ₄	H ₂ O	0.1mg/ml (100ppm)	100ml
ICAS13	(COO) ₂ ²⁻	K ₂ C ₂ O ₄	H ₂ O	1mg/ml (1,000ppm)	100ml
ICAB13	(COO) ₂ ²⁻	K ₂ C ₂ O ₄	H ₂ O	1mg/ml (1,000ppm)	500ml
Phosphate					
ICAU05	PO ₄ ³⁻	NH ₄ H ₂ PO ₄	H ₂ O	0.1mg/ml (100ppm)	100ml
ICAS05	PO ₄ ³⁻	NH ₄ H ₂ PO ₄	H ₂ O	1mg/ml (1,000ppm)	100ml
ICAB05	PO ₄ ³⁻	NH ₄ H ₂ PO ₄	H ₂ O	1mg/ml (1,000ppm)	500ml
Silica					
ICAU12	SiO ₂	Na ₂ O ₃ Si	H ₂ O	0.1mg/ml (100ppm)	100ml
ICAS12	SiO ₂	Na ₂ O ₃ Si	H ₂ O	1mg/ml (1,000ppm)	100ml
ICAB12	SiO ₂	Na ₂ O ₃ Si	H ₂ O	1mg/ml (1,000ppm)	500ml
Sulphate					
ICAU06	SO ₄ ²⁻	(NH ₄) ₂ SO ₄	H ₂ O	0.1mg/ml (100ppm)	100ml
ICAS06	SO ₄ ²⁻	(NH ₄) ₂ SO ₄	H ₂ O	1mg/ml (1,000ppm)	100ml
ICAB06	SO ₄ ²⁻	(NH ₄) ₂ SO ₄	H ₂ O	1mg/ml (1,000ppm)	500ml
Tartrate					
ICAU36	(CHOH) ₂ (COO) ₂ ²⁻	Tartaric Acid	H ₂ O	0.1mg/ml (100ppm)	100ml
ICAS36	(CHOH) ₂ (COO) ₂ ²⁻	Tartaric Acid	H ₂ O	1mg/ml (1,000ppm)	100ml
ICAB36	(CHOH) ₂ (COO) ₂ ²⁻	Tartaric Acid	H ₂ O	1mg/ml (1,000ppm)	500ml

Cation Standards

Product No.	Ion	Starting Material	Matrix	Concentration	Pack size
Aluminium					
ICCU06	Al ³⁺	Al(NO ₃) ₃	H ₂ O	0.1mg/ml (100ppm)	100ml
ICCS06	Al ³⁺	Al(NO ₃) ₃	H ₂ O	1mg/ml (1,000ppm)	100ml
ICCB06	Al ³⁺	Al(NO ₃) ₃	H ₂ O	1mg/ml (1,000ppm)	500ml
Ammonium					
ICCU01	NH ₄ ⁺	NH ₄ Cl	H ₂ O	0.1mg/ml (100ppm)	100ml
ICCS01	NH ₄ ⁺	NH ₄ Cl	H ₂ O	1mg/ml (1,000ppm)	100ml
ICCB01	NH ₄ ⁺	NH ₄ Cl	H ₂ O	1mg/ml (1,000ppm)	500ml

Product No.	Ion	Starting Material	Matrix	Concentration	Pack size
Barium					
ICCU44	Ba ²⁺	Ba(NO ₃) ₂	H ₂ O	0.1mg/ml (100ppm)	100ml
ICCS44	Ba ²⁺	Ba(NO ₃) ₂	H ₂ O	1mg/m l (1,000ppm)	100ml
ICCB44	Ba ²⁺	Ba(NO ₃) ₂	H ₂ O	1mg/m l (1,000ppm)	500ml
Cadmium					
ICCU09	Cd ⁺	Cd Metal	0.005% HNO ₃	0.1mg/ml (100ppm)	100ml
ICCS09	Cd ⁺	Cd Metal	0.005% HNO ₃	1mg/m l (1,000ppm)	100ml
ICCB09	Cd ⁺	Cd Metal	0.005% HNO ₃	1mg/m l (1,000ppm)	500ml
Calcium					
ICCU08	Ca ²⁺	Ca(NO ₃) ₂	H ₂ O	0.1mg/ml (100ppm)	100ml
ICCS08	Ca ²⁺	Ca(NO ₃) ₂	H ₂ O	1mg/m l (1,000ppm)	100ml
ICCB08	Ca ²⁺	Ca(NO ₃) ₂	H ₂ O	1mg/m l (1,000ppm)	500ml
Cesium					
ICCU91	Cs ⁺	CsNO ₃	H ₂ O	0.1mg/ml (100ppm)	100ml
ICCS91	Cs ⁺	CsNO ₃	H ₂ O	1mg/m l (1,000ppm)	100ml
ICCB91	Cs ⁺	CsNO ₃	H ₂ O	1mg/m l (1,000ppm)	500ml
Cobalt					
ICCU15	Co ²⁺	Co Metal	0.005% HNO ₃	0.1mg/ml (100ppm)	100ml
ICCS15	Co ²⁺	Co Metal	0.005% HNO ₃	1mg/m l (1,000ppm)	100ml
ICCB15	Co ²⁺	Co Metal	0.005% HNO ₃	1mg/m l (1,000ppm)	500ml
Copper					
ICCU16	Cu ⁺	Cu Metal	0.005% HNO ₃	0.1mg/ml (100ppm)	100ml
ICCS16	Cu ⁺	Cu Metal	0.005% HNO ₃	1mg/m l (1,000ppm)	100ml
ICCB16	Cu ⁺	Cu Metal	0.005% HNO ₃	1mg/m l (1,000ppm)	500ml
Iron					
ICCU12	Fe ²⁺	Fe(NO ₃) ₃	0.005% HNO ₃	0.1mg/ml (100ppm)	100ml
ICCS12	Fe ²⁺	Fe(NO ₃) ₃	0.005% HNO ₃	1mg/m l (1,000ppm)	100ml
ICCB12	Fe ²⁺	Fe(NO ₃) ₃	0.005% HNO ₃	1mg/m l (1,000ppm)	500ml
Lead					
ICCU19	Pb ⁺	PbNO ₂	0.005% HNO ₃	0.1mg/ml (100ppm)	100ml
ICCS19	Pb ⁺	PbNO ₂	0.005% HNO ₃	1mg/m l (1,000ppm)	100ml
ICCB19	Pb ⁺	PbNO ₂	0.005% HNO ₃	1mg/m l (1,000ppm)	500ml
Lithium					
ICCU02	Li ⁺	LiNO ₃	0.005% HNO ₃	0.1mg/ml (100ppm)	100ml
ICCS02	Li ⁺	LiNO ₃	0.005% HNO ₃	1mg/m l (1,000ppm)	100ml
ICCB02	Li ⁺	LiNO ₃	0.005% HNO ₃	1mg/m l (1,000ppm)	500ml
Magnesium					
ICCU07	Mg ²⁺	Mg(NO ₃) ₂	H ₂ O	0.1mg/ml (100ppm)	100ml
ICCS07	Mg ²⁺	Mg(NO ₃) ₂	H ₂ O	1mg/m l (1,000ppm)	100ml
ICCB07	Mg ²⁺	Mg(NO ₃) ₂	H ₂ O	1mg/m l (1,000ppm)	500ml
Manganese					
ICCU11	Mn ²⁺	Mn	0.005% HNO ₃	0.1mg/ml (100ppm)	100ml
ICCS11	Mn ²⁺	Mn	0.005% HNO ₃	1mg/m l (1,000ppm)	100ml
ICCB11	Mn ²⁺	Mn	0.005% HNO ₃	1mg/m l (1,000ppm)	500ml
Nickel					
ICCU14	Ni ²⁺	Ni Metal	0.005% HNO ₃	0.1mg/ml (100ppm)	100ml
ICCS14	Ni ²⁺	Ni Metal	0.005% HNO ₃	1mg/m l (1,000ppm)	100ml
ICCB14	Ni ²⁺	Ni Metal	0.005% HNO ₃	1mg/m l (1,000ppm)	500ml



Product No.	Ion	Starting Material	Matrix	Concentration	Pack size
Potassium					
ICCU03	K ⁺	KNO ₃	0.005% HNO ₃	0.1mg/ml (100ppm)	100ml
ICCS03	K ⁺	KNO ₃	0.005% HNO ₃	1mg/m l (1,000ppm)	100ml
ICCB03	K ⁺	KNO ₃	0.005% HNO ₃	1mg/m l (1,000ppm)	500ml
Rubidium					
ICCU92	Rb ⁺	RbNO ₃	0.005% HNO ₃	0.1mg/ml (100ppm)	100ml
ICCS92	Rb ⁺	RbNO ₃	0.005% HNO ₃	1mg/m l (1,000ppm)	100ml
ICCB92	Rb ⁺	RbNO ₃	0.005% HNO ₃	1mg/m l (1,000ppm)	500ml
Sodium					
ICCU04	Na ⁺	NaNO ₃	0.005% HNO ₃	0.1mg/ml (100ppm)	100ml
ICCS04	Na ⁺	NaNO ₃	0.005% HNO ₃	1mg/m l (1,000ppm)	100ml
ICCB04	Na ⁺	NaNO ₃	0.005% HNO ₃	1mg/m l (1,000ppm)	500ml
Strontium					
ICCU43	Sr ²⁺	Sr(NO ₃) ₂	0.005% HNO ₃	0.1mg/ml (100ppm)	100ml
ICCS43	Sr ²⁺	Sr(NO ₃) ₂	0.005% HNO ₃	1mg/m l (1,000ppm)	100ml
ICCB43	Sr ²⁺	Sr(NO ₃) ₂	0.005% HNO ₃	1mg/m l (1,000ppm)	500ml
Zinc					
ICCU33	Zn ²⁺	Zn Metal	0.005% HNO ₃	0.1mg/ml (100ppm)	100ml
ICCS33	Zn ²⁺	Zn Metal	0.005% HNO ₃	1mg/m l (1,000ppm)	100ml
ICCB33	Zn ²⁺	Zn Metal	0.005% HNO ₃	1mg/m l (1,000ppm)	500ml

IC Mixed Standards

Product No.	Elements	Conc µg/ml	Matrix	Pack size
Combined Five Anion Standard				
ICA-DX-51	Fl	20	H ₂ O	100ml
	Cl	30		
	NO ₃	100		
	PO ₄	150		
	SO ₄	150		
Combined Six Cation Standard				
ICC-DX-611	Ca	1000	H ₂ O	100ml
	NH ₄	400		
	Na	200		
	K	200		
	Mg	200		
	Li	50		
Combined Six Cation Standard				
ICC-DX-621	Li	50	H ₂ O	100ml
	Na	200		
	NH ₄	250		
	Mg	250		
	Ca	500		
	K	500		
Combined Seven Anion Standard				
ICA-DX-711	Fl	20	H ₂ O	100ml
	Cl	30		
	Br	100		
	NO ₂	100		
	NO ₃	100		
	PO ₄	150		
	SO ₄	150		
Combined Seven Anion Standard				
ICA-DX-721	PO ₄	200	H ₂ O	100ml
	Cl	100		
	Br	100		
	NO ₂	100		
	NO ₃	100		
	SO ₄	100		
	Fl	20		

Product No.	Elements	Conc µg/ml	Matrix	Pack size
Multi Anion Standard				
ICA-LIS-601	Fl	50	H ₂ O	100ml
	Cl	1000		
	Br	100		
	NO ₂	20		
	NO ₃ as N	200		
	PO ₄ as P	15		
SO ₄	5000			
Mixed Anion Standard				
ICA-BMS-65	NO ₃	200	H ₂ O	500ml
	SO ₄	200		
	PO ₄	200		
	Br	100		
	Fl	100		
	Cl	100		
Mixed Standard Solution				
ICA-TG-35	PO ₄ as P	100	H ₂ O	500ml
	NH ₄ as N	1000		
	NO ₃ as N	1000		
Mixed Standard Solution				
ICA-TG-45	PO ₄ as P	10	H ₂ O	500ml
	NO ₃ as N	300		
	NH ₄ as N	150		
	Cl	3000		
IC Multi Element Standard				
IC-NHS-3	Na	200	H ₂ O / Tr. HNO ₃	100ml
	K	10		
	Mg	2		
IC Multi Element Standard				
IC-NHS-4	Na	100	H ₂ O	100ml
	K	10		
	Mg	1		
	Ca	5		
IC Multi Element Standard				
IC-GLO-7-100	Cl	1000	H ₂ O	100ml
	SO ₄	1000		
	NO ₃	1000		
	Br	100		
	NO ₂	100		
	PO ₄	100		
	Fl	100		
IC Multi Element Standard				
IC-SYN-7	Cl	100	H ₂ O	200ml
	Br	100		
	NO ₂	100		
	NO ₃	100		
	SO ₄	100		
	Fl	20		
	PO ₄	200		

Volatile Organic Compounds



Why use Reagecons VOC Standards?

Technical Benefits

- Produced in accordance with EPA methods
- Consistency of product – Independent, Traceable, Certified
- Ideal for use in EPA 500, 600 and 8000 series methods
- Certificates of Analysis and Safety Data Sheets available online

Commercial Benefits

- Ready to use (dilute for use as calibration and/or quality control standards)
- Extensive range of organic compound mixes and single compound standards available
- Can be used with a variety of instruments including GC, GC-MS, HPLC and LC-MS
- Designed specifically for use in EPA or EU analytical methods
- Presented in high quality amber ampoules
- Customised formulations available

The product range includes:

200 µg/ml (Mixed Standards)

2,000 µg/ml (Mixed Standards)

2,000 µg/ml (Single Component Standards)

These products are prepared gravimetrically on a weight/weight basis. Both solute and solvent are weighed on a balance calibrated by Reagecon engineers using OIML traceable weights. Reagecon holds ISO 17025 accreditation for calibration of non-automatic weighing machines (INAB ref: 265C). The resulting Balance Certificate of Calibration is issued in accordance with the requirements of ISO/IEC 17025. The concentration of each standard is verified using a high performance calibrated Gas Chromatograph - Mass Spectrometer (GC-MS Instrument). The calibration of the GC-MS instrument is completed using high purity ISO Guide 34 accredited VOC standards similar in VOC concentration value to these products. The mass spectrum of each of the analytes is confirmed by comparison with the National Institute of Standards and Technology (NIST) mass spectral library.



Volatile Organic Compounds (VOCs) Mixed

Product No.	Description - Each at 2,000µg/ml in Purge and Trap Methanol	US EPA Methods	Packed in ampoule
REVOC001 (54 Compound Mix)	1,1-Dichloroethene (dichloroethylene)	502.2	1ml
	trans-1,2-Dichloroethene	524.2	
	cis-1,2-Dichloroethene	8021	
	Bromochloromethane	8021A	
	1,1,1-Trichloroethane	8021B	
	Carbon Tetrachloride	8260B	
	1,2-Dichloroethane		
	Benzene		
	Trichloroethene		
	1,2-Dichloropropane		
	Dibromomethane		
	Bromodichloromethane		
	trans-1,3-Dichloropropene		
	Toluene		
	cis-1,3-Dichloropropene		
	1,3-Dichloropropane		
	Tetrachloroethene		
	Dibromochloromethane		
	Dibromoethane		
	Chlorobenzene		
	1,1,1,2-Tetrachloroethane		
	Ethylbenzene		
	m-Xylene		
	p-Xylene		
	o-Xylene		
	Styrene		
	Bromoform		
	Isopropylbenzene		
	1,1,2,2-Tetrachloroethane		
	1,2,3-Trichloropropane		
	Bromobenzene		
	n-Propylbenzene		
	2-Chlorotoluene		
	1,2,4-Trimethylbenzene		
	4-Chlorotoluene		
	tert-Butylbenzene		
	1,3,5-Trimethylbenzene		
	sec-Butylbenzene		
	1,3-Dichlorobenzene		
	4-Isopropyltoluene		
	1,4-Dichlorobenzene		
	1,2-Dichlorobenzene		
	n-Butylbenzene		
	1,2-Dibromo-3-chloropropane		
	1,2,3-Trichlorobenzene		
	Hexachlorobutadiene		
	Naphthalene		
	1,2,4-Trichlorobenzene		
	1,1,2-Trichloroethane		

Volatile Organic Compounds (VOCs) Mixed Standards

Product No.	Description - Each at 2,000µg/ml in Purge and Trap Methanol	US EPA Methods	Packed in ampoule
REVOC002 (54 Compound Mix)	1,1-Dichlorethene (dichloroethylene)	502.2	1ml
	Dichloromethane (methylene chloride)	524.2	
	trans-1,2-Dichloroethene	8021	
	1,1-Dichloroethane	8021A	
	cis-1,2-Dichloroethane	8021B	
	2,2-Dichloropropane	8260B	
	Bromochloromethane		
	Chloroform		
	1,1,1-Trichloroethane		
	1,1-Dichloropropene		
	Carbon Tetrachloride		
	1,2-Dichloroethane		
	Benzene		
	Trichloroethene		
	1,2-Dichloropropane		
	Dibromomethane		
	Bromodichloromethane		
	trans-1,3-Dichloropropene		
	Toluene		
	cis-1,3-Dichloropropene		
	1,3-Dichloropropane		
	Tetrachloroethene		
	Dibromochloromethane		
	Dibromoethane		
	Chlorobenzene		
	1,1,1,2-Tetrachloroethane		
	Ethylbenzene		
	m-Xylene		
	p-Xylene		
	o-Xylene		
	Styrene		
	Bromoform		
	Isopropylbenzene		
	1,1,2,2-Tetrachloroethane		
	1,2,3-Trichloropropane		
	Bromobenzene		
	n-Propylbenzene		
	2-Chlorotoluene		
	1,2,4-Trimethylbenzene		
	4-Chlorotoluene		
	tert-Butylbenzene		
	1,3,5-Trimethylbenzene		
	sec-Butylbenzene		
	1,3-Dichlorobenzene		
	4-Isopropyltoluene		
	1,4-Dichlorobenzene		
	1,2-Dichlorobenzene		
	n-Butylbenzene		
	1,2-Dibromo-3-chloropropane		
	1,2,3-Trichlorobenzene		
	Hexachlorobutadiene		
	Naphthalene		
	1,2,4-Trichlorobenzene		
	1,1,2-Trichloroethane		

Volatile Organic Compounds (VOCs) Mixed Standards

Product No.	Description - Each at 2,000µg/ml in Purge and Trap Methanol	US EPA Methods	Packed in ampoule
REVOC003 (15 Compound Mix)	Bromoform	502.2	1ml
	Chlorobenzene	524.2	
	Carbon Tetrachloride	8021	
	Chloroform	8021A	
	Dibromochloromethane	8021B	
	1,1-Dichloroethane	624	
	1,2-Dichloroethane	8240B	
	1,1-Dichlorethene (dichloroethylene)	8260B	
	trans-1,2-Dichloroethene		
	1,2-Dichloropropane		
	Dichloromethane (methylene chloride)		
	1,1,2,2-Tetrachloroethane		
	Tetrachloroethene		
	1,1,2-Trichloroethane		
	REVOC004 (15 Compound Mix)	Trichloroethene	
Bromoform		502.2	1ml
Chlorobenzene		524.2	
Carbon Tetrachloride		8021	
Chloroform		8021A	
Dibromochloromethane		8021B	
1,1-Dichloroethane		624	
1,2-Dichloroethane		8240B	
1,1-Dichlorethene (dichloroethylene)		8260B	
trans-1,2-Dichloroethene			
1,2-Dichloropropane			
Dichloromethane (methylene chloride)			
1,1,2,2-Tetrachloroethane			
Tetrachloroethene			
1,1,2-Trichloroethane			
REVOC005 (21 Compound Mix)	Bromobenzene	502.2	1ml
	Bromochloromethane	524.2	
	Bromodichloromethane	8021	
	n-Butylbenzene	8021A	
	2-Chlorotoluene	8021B	
	4-Chlorotoluene	8240B	
	Dibromoethane	8260B	
	1,2-Dichlorobenzene		
	1,3-Dichlorobenzene		
	cis-1,2-Dichloroethane		
	1,3-Dichloropropane		
	1,1-Dichloropropene		
	cis-1,3-Dichloropropene		
	trans-1,3-Dichloropropene		
	Ethylbenzene		
	Isopropylbenzene		
	Styrene		
	1,1,1,2-Tetrachloroethane		
	1,1,1-Trichloroethane		
	1,2,3-Trichloropropane		
	p-Xylene		

Volatile Organic Compounds (VOCs) Mixed Standards

Product No.	Description - Each at 2,000µg/ml in Purge and Trap Methanol	US EPA Methods	Packed in ampoule
REVOC006 (21 Compound Mix)	Bromobenzene	502.2	1ml
	Bromochloromethane	524.2	
	Bromodichloromethane	8021	
	n-Butylbenzene	8021A	
	2-Chlorotoluene	8021B	
	4-Chlorotoluene	8240B	
	Dibromoethane	8260B	
	1,2-Dichlorobenzene		
	1,3-Dichlorobenzene		
	cis-1,2-Dichloroethane		
	1,3-Dichloropropane		
	1,1-Dichloropropene		
	cis-1,3-Dichloropropene		
	trans-1,3-Dichloropropene		
	Ethylbenzene		
	Isopropylbenzene		
	Styrene		
	1,1,1,2-Tetrachloroethane		
	1,1,1-Trichloroethane		
	1,2,3-Trichloropropane		
	p-Xylene		
REVOC007 (17 Compound Mix)	Benzene	502.2	1ml
	sec-Butylbenzene	524.2	
	tert-Butylbenzene	8021	
	1,2-Dibromo-3-chloropropane	8021A	
	1,4-Dichlorobenzene	8021B	
	2,2-Dichloropropane	8260B	
	Hexachlorobutadiene		
	4-Isopropyltoluene		
	Naphthalene		
	n-Propylbenzene		
	Toluene		
	1,2,3-Trichlorobenzene		
	1,2,4-Trichlorobenzene		
	1,2,4-Trimethylbenzene		
	1,3,5-Trimethylbenzene		
	o-Xylene		
	m-Xylene		
REVOC008 (17 Compound Mix)	Benzene	502.2	1ml
	sec-Butylbenzene	524.2	
	tert-Butylbenzene	8021	
	1,2-Dibromo-3-chloropropane	8021A	
	1,4-Dichlorobenzene	8021B	
	2,2-Dichloropropane	8260B	
	Hexachlorobutadiene		
	4-Isopropyltoluene		
	Naphthalene		
	n-Propylbenzene		
	Toluene		
	1,2,3-Trichlorobenzene		
	1,2,4-Trichlorobenzene		
	1,2,4-Trimethylbenzene		
	1,3,5-Trimethylbenzene		
	o-Xylene		
	m-Xylene		

Volatile Organic Compounds (VOCs) Mixed Standards

Product No.	Description - Each at 2,000µg/ml in Purge and Trap Methanol	US EPA Methods	Packed in ampoule
REVOC009 (4 Compound Mix)	Bromodichloromethane	501	1ml
	Bromoform		
	Chloroform		
	Dibromochloromethane		
REVOC010 (4 Compound Mix)	Bromodichloromethane	501	1ml
	Bromoform		
	Chloroform		
	Dibromochloromethane		
REVOC011 (9 Compound Mix)	Bromochloromethane	502.2	1ml
	Bromoform	524.2	
	Carbon Tetrachloride	8021	
	Chloroform	8021A	
	Dibromomethane	8021B	
	1,1-Dichloroethane		
	2,2-Dichloropropane		
	Tetrachloroethene		
	1,1,1-Trichloroethane		
REVOC012 (16 Compound Mix)	1,2-Dibromo-3-chloropropane	502.2	1ml
	Dibromoethane	524.2	
	1,2-Dichloroethane	8021	
	1,2-Dichloropropane	8021A	
	1,3-Dichloropropane	8021B	
	1,1-Dichloropropene		
	trans-1,3-Dichloropropene		
	cis-1,3-Dichloropropene		
	Hexachlorobutadiene		
	1,1,1,2-Tetrachloroethane		
	1,1,2,2-Tetrachloroethane		
	1,1,2-Trichloroethane		
	Trichloroethene		
	1,2,3-Trichloropropane		
	Naphthalene		
	1,2,4-Trimethylbenzene		
REVOC013 (11 Compound Mix)	Benzene	502.2	1ml
	Bromobenzene	524.2	
	n-Butylbenzene	8021	
	Ethylbenzene	8021A	
	4-Isopropyltoluene	8021B	
	Styrene		
	Toluene		
	1,2,3-Trichlorobenzene		
	1,2,4-Trichlorobenzene		
	1,3,5-Trimethylbenzene		
	1,2,4-Trichlorobenzene		
REVOC014 (12 Compound Mix)	sec-Butylbenzene	502.2	1ml
	tert-Butylbenzene	524.2	
	Chlorobenzene	8021	
	2-Chlorotoluene	8021A	
	4-Chlorotoluene	8021B	
	1,2-Dichlorobenzene		
	1,3-Dichlorobenzene		
	1,4-Dichlorobenzene		
	Isopropylbenzene		
	n-Propylbenzene,		
	o-Xylene,		
	p-Xylene		

Volatile Organic Compounds (VOCs) Mixed Standards

Product No.	Description - Each at 2,000µg/ml in Purge and Trap Methanol	US EPA Methods	Packed in ampoule
REVOC015 (28 Compound Mix)	1,2,4-Trimethylbenzene	503.1	1ml
	1,2-Dichlorobenzene		
	1,3,5-Trimethylbenzene		
	1,3-Dichlorobenzene		
	1,4-Dichlorobenzene		
	2-Chlorotoluene		
	Benzene		
	Bromobenzene		
	n-Butylbenzene		
	tert-Butylbenzene		
	sec-Butylbenzene		
	Chlorobenzene		
	4-Chlorotoluene		
	Ethylbenzene		
	Hexachlorobutadiene		
	Isopropylbenzene		
	4-Isopropyltoluene		
	Naphthalene		
	n-Propylbenzene		
	Styrene		
Tetrachloroethene			
Toluene			
1,2,3-Trichlorobenzene			
1,2,4-Trichlorobenzene			
Trichloroethene			
m-Xylene			
p-Xylene			
o-Xylene			
REVOC016 (2 Compound Mix)	1,2-Dibromo-3-chloropropane Dibromoethane	504 8011	1ml
REVOC017 (3 Compound Mix)	1,2-Dibromo-3-chloropropane Dibromoethane	504.1	1ml
REVOC018 (7 Compound Mix)	1,2,3-Trichloropropane		
	Benzene	602	1ml
	Chlorobenzene		
	1,2-Dichlorobenzene		
	1,3-Dichlorobenzene		
	1,4-Dichlorobenzene		
Ethylbenzene			
Toluene			
REVOC019 (7 Compound Mix)	Benzene	602	1ml
	Chlorobenzene		
	1,2-Dichlorobenzene		
	1,3-Dichlorobenzene		
	1,4-Dichlorobenzene		
	Ethylbenzene		
Toluene			
REVOC020 (6 Compound Mix for BTEX)	Benzene	602	1ml
	Ethylbenzene		
	Toluene		
	m-Xylene		
	p-Xylene		
	o-Xylene		
REVOC021 (6 Compound Mix for BTEX)	Benzene	602	1ml
	Ethylbenzene		
	Toluene		
	m-Xylene		
	p-Xylene		
	o-Xylene		

Volatile Organic Compounds (VOCs) Mixed Standards

Product No.	Description - Each at 2,000µg/ml in Purge and Trap Methanol	US EPA Methods	Packed in ampoule
REVOC022 (10 Compound Mix)	Benzene	8020	1ml
	Chlorobenzene	8020A	
	1,3-Dichlorobenzene		
	1,4-Dichlorobenzene		
	1,2-Dichlorobenzene		
	Ethylbenzene		
	m-Xylene		
	p-Xylene		
	o-Xylene		
	Toluene		
REVOC023 (53 Compound Mix)	1,1-Dichloroethene (dichloroethylene)	8021	1ml
	Dichloromethane (methylene chloride)	8021A	
	trans-1,2-Dichloroethene	8021B	
	1,1-Dichloroethane	8260B	
	cis-1,2-Dichloroethane		
	2,2-Dichloropropane		
	Chloroform		
	1,1,1-Trichloroethane		
	1,1-Dichloropropene		
	Carbon Tetrachloride		
	1,2-Dichloroethane		
	Benzene		
	Trichloroethene		
	1,2-Dichloropropane		
	Dibromomethane		
	Bromodichloromethane		
	trans-1,3-Dichloropropene		
	Toluene		
	cis-1,3-Dichloropropene		
	1,3-Dichloropropane		
	Tetrachloroethene		
	Dibromochloromethane		
	Dibromoethane		
	Chlorobenzene		
	1,1,1,2-Tetrachloroethane		
	Ethylbenzene		
m-Xylene			
p-Xylene			
o-Xylene			
Styrene			
Bromoform			
Isopropylbenzene			
1,1,2,2-Tetrachloroethane			
1,2,3-Trichloropropane			
Bromobenzene			
n-Propylbenzene			
2-Chlorotoluene			
1,2,4-Trimethylbenzene,			
4-Chlorotoluene			
tert-Butylbenzene			
1,3,5-Trimethylbenzene			
sec-Butylbenzene			
1,3-Dichlorobenzene			
4-Isopropyltoluene			
1,4-Dichlorobenzene			
1,2-Dichlorobenzene			
n-Butylbenzene			
1,2-Dibromo-3-chloropropane			
1,2,3-Trichlorobenzene			
Hexachlorobutadiene			
Naphthalene			
1,2,4-Trichlorobenzene			
1,1,2-Trichloroethane			

Volatile Organic Compounds (VOCs) Single Component Standards

Product No.	Description	Concentration	US EPA Methods	Packed in Ampoule
REVOC101	1,1-Dichlorethene and Trap Methanol	2,000µg/ml in Purge 8021B, 624, 8240B, 8260B	502.2, 524.2, 8021, 8021A,	1ml
REVOC102	Dichloromethane and Trap Methano	2,000µg/ml in Purge I 8021B, 624, 8240B, 8260B	502.2, 524.2, 8021, 8021A,	1ml
REVOC103	trans-1,2-Dichloroethene	2,000µg/ml in Purge and Trap Methanol	502.2, 524.2, 8021, 8021A, 8021B, 624, 8240B, 8260B	1ml
REVOC104	1,1-Dichloroethane	2,000µg/ml in Purge and Trap Methanol	502.2, 524.2, 8021, 8021A, 8021B, 624, 8240B, 8260B	1ml
REVOC105	cis-1,2-Dichloroethane	2,000µg/ml in Purge and Trap Methanol	502.2, 524.2, 8021, 8021A, 8021B, 624, 8240B, 8260B	1ml
REVOC106	2,2-Dichloropropane	2,000µg/ml in Purge and Trap Methanol	502.2, 524.2, 8021, 8021A, 8021B, 624, 8240B, 8260B	1ml
REVOC107	Bromochloromethane	2,000µg/ml in Purge and Trap Methanol	502.2, 524.2, 8021, 8021A, 8021B, 624, 8240B, 8260B	1ml
REVOC108	Chloroform	2,000µg/ml in Purge and Trap Methanol	502.2, 524.2, 8021, 8021A, 8021B, 624, 8240B, 8260B	1ml
REVOC109	1,1,1-Trichloroethane	2,000µg/ml in Purge and Trap Methanol	502.2, 524.2, 8021, 8021A, 8021B, 624, 8240B, 8260B	1ml
REVOC110	1,1-Dichloropropene	2,000µg/ml in Purge and Trap Methanol	502.2, 524.2, 8021, 8021A, 8021B, 624, 8240B, 8260B	1ml
REVOC111	Carbon Tetrachloride	2,000µg/ml in Purge and Trap Methanol	502.2, 524.2, 8021, 8021A, 8021B, 624, 8240B, 8260B	1ml
REVOC112	1,2-Dichloroethane	2,000µg/ml in Purge and Trap Methanol	502.2, 524.2, 8021, 8021A, 8021B, 624, 8240B, 8260B	1ml
REVOC113	Benzene	2,000µg/ml in Purge and Trap Methanol	502.2, 524.2, 8021, 8021A, 8021B, 624, 8240B, 8260B	1ml
REVOC114	Trichloroethene	2,000µg/ml in Purge and Trap Methanol	502.2, 524.2, 8021, 8021A, 8021B, 624, 8240B, 8260B	1ml
REVOC115	1,2-Dichloropropane	2,000µg/ml in Purge and Trap Methanol	502.2, 524.2, 8021, 8021A, 8021B, 624, 8240B, 8260B	1ml
REVOC116	Dibromomethane	2,000µg/ml in Purge and Trap Methanol	502.2, 524.2, 8021, 8021A, 8021B, 624, 8240B, 8260B	1ml
REVOC117	Bromodichloromethane	2,000µg/ml in Purge and Trap Methanol	502.2, 524.2, 8021, 8021A, 8021B, 624, 8240B, 8260B	1ml
REVOC118	trans-1,3-Dichloropropene	2,000µg/ml in Purge and Trap Methanol	502.2, 524.2, 8021, 8021A, 8021B, 624, 8240B, 8260B	1ml
REVOC119	Toluene	2,000µg/ml in Purge and Trap Methanol	502.2, 524.2, 8021, 8021A, 8021B, 624, 8240B, 8260B	1ml
REVOC120	cis-1,3-Dichloropropene	2,000µg/ml in Purge and Trap Methanol	502.2, 524.2, 8021, 8021A, 8021B, 624, 8240B, 8260B	1ml
REVOC121	1,3-Dichloropropane	2,000µg/ml in Purge and Trap Methanol	502.2, 524.2, 8021, 8021A, 8021B, 624, 8240B, 8260B	1ml
REVOC122	Tetrachloroethene	2,000µg/ml in Purge and Trap Methanol	502.2, 524.2, 8021, 8021A, 8021B, 624, 8240B, 8260B	1ml
REVOC123	Dibromochloromethane	2,000µg/ml in Purge and Trap Methanol	502.2, 524.2, 8021, 8021A, 8021B, 624, 8240B, 8260B	1ml
REVOC124	Dibromoethane	2,000µg/ml in Purge and Trap Methanol	502.2, 524.2, 8021, 8021A, 8021B, 624, 8240B, 8260B	1ml
REVOC125	Chlorobenzene	2,000µg/ml in Purge and Trap Methanol	502.2, 524.2, 8021, 8021A, 8021B, 624, 8240B, 8260B	1ml

Volatile Organic Compounds (VOCs) Single Component Standards

Product No.	Description	Concentration	US EPA Methods	Packed in Ampoule
REVOC126	1,1,1,2-Tetrachloroethane	2,000µg/ml in Purge and Trap Methanol	502.2, 524.2, 8021, 8021A, 8021B, 624, 8240B, 8260B	1ml
REVOC127	Ethylbenzene	2,000µg/ml in Purge and Trap Methanol	502.2, 524.2, 8021, 8021A, 8021B, 624, 8240B, 8260B	1ml
REVOC128	m-Xylene	2,000µg/ml in Purge and Trap Methanol	502.2, 524.2, 8021, 8021A, 8021B, 624, 8240B, 8260B	1ml
REVOC129	p-Xylene	2,000µg/ml in Purge and Trap Methanol	502.2, 524.2, 8021, 8021A, 8021B, 624, 8240B, 8260B	1ml
REVOC130	o-Xylene	2,000µg/ml in Purge and Trap Methanol	502.2, 524.2, 8021, 8021A, 8021B, 624, 8240B, 8260B	1ml
REVOC131	Styrene	2,000µg/ml in Purge and Trap Methanol	502.2, 524.2, 8021, 8021A, 8021B, 624, 8240B, 8260B	1ml
REVOC132	Bromoform	2,000µg/ml in Purge and Trap Methanol	502.2, 524.2, 8021, 8021A, 8021B, 624, 8240B, 8260B	1ml
REVOC133	Isopropylbenzene	2,000µg/ml in Purge and Trap Methanol	502.2, 524.2, 8021, 8021A, 8021B, 624, 8240B, 8260B	1ml
REVOC134	1,1,2,2-Tetrachloroethane	2,000µg/ml in Purge and Trap Methanol	502.2, 524.2, 8021, 8021A, 8021B, 624, 8240B, 8260B	1ml
REVOC135	1,2,3-Trichloropropane	2,000µg/ml in Purge and Trap Methanol	502.2, 524.2, 8021, 8021A, 8021B, 624, 8240B, 8260B	1ml
REVOC136	Bromobenzene	2,000µg/ml in Purge and Trap Methanol	502.2, 524.2, 8021, 8021A, 8021B, 624, 8240B, 8260B	1ml
REVOC137	n-Propylbenzene	2,000µg/ml in Purge and Trap Methanol	502.2, 524.2, 8021, 8021A, 8021B, 624, 8240B, 8260B	1ml
REVOC138	2-Chlorotoluene	2,000µg/ml in Purge and Trap Methanol	502.2, 524.2, 8021, 8021A, 8021B, 624, 8240B, 8260B	1ml
REVOC139	1,2,4-Trimethylbenzene	2,000µg/ml in Purge and Trap Methanol	502.2, 524.2, 8021, 8021A, 8021B, 624, 8240B, 8260B	1ml
REVOC140	4-Chlorotoluene	2,000µg/ml in Purge and Trap Methanol	502.2, 524.2, 8021, 8021A, 8021B, 624, 8240B, 8260B	1ml
REVOC141	tert-Butylbenzene	2,000µg/ml in Purge and Trap Methanol	502.2, 524.2, 8021, 8021A, 8021B, 624, 8240B, 8260B	1ml
REVOC142	1,3,5-Trimethylbenzene	2,000µg/ml in Purge and Trap Methanol	502.2, 524.2, 8021, 8021A, 8021B, 624, 8240B, 8260B	1ml
REVOC143	sec-Butylbenzene	2,000µg/ml in Purge and Trap Methanol	502.2, 524.2, 8021, 8021A, 8021B, 624, 8240B, 8260B	1ml
REVOC144	1,3-Dichlorobenzene	2,000µg/ml in Purge and Trap Methanol	502.2, 524.2, 8021, 8021A, 8021B, 624, 8240B, 8260B	1ml
REVOC145	4-Isopropyltoluene	2,000µg/ml in Purge and Trap Methanol	502.2, 524.2, 8021, 8021A, 8021B, 624, 8240B, 8260B	1ml
REVOC146	1,4-Dichlorobenzene	2,000µg/ml in Purge and Trap Methanol	502.2, 524.2, 8021, 8021A, 8021B, 624, 8240B, 8260B	1ml
REVOC147	1,2-Dichlorobenzene	2,000µg/ml in Purge and Trap Methanol	502.2, 524.2, 8021, 8021A, 8021B, 624, 8240B, 8260B	1ml
REVOC148	n-Butylbenzene	2,000µg/ml in Purge and Trap Methanol	502.2, 524.2, 8021, 8021A, 8021B, 624, 8240B, 8260B	1ml
REVOC149	1,2-Dibromo-3-chloropropane	2,000µg/ml in Purge and Trap Methanol	502.2, 524.2, 8021, 8021A, 8021B, 624, 8240B, 8260B	1ml
REVOC150	1,2,3-Trichlorobenzene	2,000µg/ml in Purge and Trap Methanol	502.2, 524.2, 8021, 8021A, 8021B, 624, 8240B, 8260B	1ml

Volatile Organic Compounds (VOCs) Single Component Standards

Product No.	Description	Concentration	US EPA Methods	Packed in Ampoule
REVOC151	Hexachlorobutadiene	2,000µg/ml in Purge and Trap Methanol	502.2, 524.2, 8021, 8021A, 8021B, 624, 8240B, 8260B	1ml
REVOC152	Naphthalene	2,000µg/ml in Purge and Trap Methanol	502.2, 524.2, 8021, 8021A, 8021B, 624, 8240B, 8260B	1ml
REVOC153	1,2,4-Trichlorobenzene	2,000µg/ml in Purge and Trap Methanol	502.2, 524.2, 8021, 8021A, 8021B, 624, 8240B, 8260B	1ml
REVOC154	1,1,2-Trichloroethane	2,000µg/ml in Purge and Trap Methanol	502.2, 524.2, 8021, 8021A, 8021B, 624, 8240B, 8260B	1ml

Internal Standards and Surrogates

Code	Description	Concentration	US EPA Methods	Packed in Ampoule
REVOC001-I	Fluorobenzene	2,000µg/ml in Purge and Trap Methanol	524.2	1ml
REVOC002-I	Fluorobenzene	1,000µg/ml in Purge and Trap Methanol	524.2, 502.2	1ml
REVOC003-I	Fluorobenzene	4,000µg/ml in Purge and Trap Methanol	524.2	1ml
REVOC004-I	ááá-Trifluorotoluene	200µg/ml in Purge and Trap Methanol	503.1 602	1ml
REVOC005-I	2-Bromo-1-Chloropropane Fluorobenzene	1,000µg/ml in Purge and Trap Methanol	8021, 8021A, 8021B	1ml
REVOC006-I	Bromodichloromethane	1,000µg/ml in Purge and Trap Methanol	502.1	1ml
REVOC007-I	2-Bromo-1Chloropropane Fluorobenzene	1,000µg/ml in Purge and Trap Methanol	502.2	1ml
REVOC008-I	1-Chloro-2-fluorobenzene	1,000µg/ml in Purge and Trap Methanol	502.2	1ml
REVOC001-S	4-Bromofluorobenzene, 1,2-Dichlorobenzene D4	1,000µg/ml in Purge and Trap Methanol	524.2	1ml
REVOC002-S	4-Bromofluorobenzene, 1,2-Dichlorobenzene D4	2,000µg/ml in Purge and Trap Methanol	524.2	1ml
REVOC003-FS	4-Bromofluorobenzene, D4 Fluorobenzene and Trap Methanol	1,2-Dichlorobenzene 1,000µg/ml in Purge	524.2	1ml
REVOC003-TS	4-Bromofluorobenzene	1,000µg/ml in Purge and Trap Methanol	524.2	1ml

Phenols

Why use Reagecons Phenol Standards?

Technical Benefits

- Produced in accordance with EPA methods
- Consistency of product – Independent, Traceable, Certified
- Ideal for use in EPA 500, 600 and 8000 series methods
- Certificates of Analysis and Safety Data Sheets available online

Commercial Benefits

- Ready to use (dilute for use as calibration and/or quality control standards)
- Extensive range of organic compound mixes and single compound standards available
- Can be used with a variety of instruments including GC, GC-MS, HPLC and LC-MS
- Designed specifically for use in EPA or EU analytical methods
- Presented in high quality amber ampoules
- Customised formulations available

The product range includes:

2,000 µg/ml (Mixed Standards)

To

2,000 µg/ml (Single Component Standards)

These products are prepared gravimetrically on a weight/weight basis. Both solute and solvent are weighed on a balance calibrated by Reagecon engineers using OIML traceable weights. Reagecon holds ISO 17025 accreditation for calibration of non-automatic weighing machines (INAB ref: 265C). The resulting Balance Certificate of Calibration is issued in accordance with the requirements of ISO/IEC 17025. The concentration of each standard is verified using a high performance calibrated Gas Chromatograph - Mass Spectrometer (GC-MS Instrument). The calibration of the GC-MS instrument is completed using high purity ISO Guide 34 accredited Phenol standards from a secondary source similar in Phenol concentration value to these products. The mass spectrum of each of the analytes is confirmed by comparison with the National Institute of Standards and Technology (NIST) mass spectral library.



Phenol Mixed Standards

Product No.	Description	Concentration	US EPA Methods	Packed in Ampoule
REPHE001 (11 Compound Mix)	2-Chlorophenol	Each analyte at 2,000 µg/ml in high- purity Dichloromethane (Methylene Chloride)	604	1ml
	2,4-Dichlorophenol			
	2,4-Dimethylphenol			
	2-Methyl-4,6-dinitrophenol (DNOC)			
	2-Nitrophenol			
	4-Nitrophenol			
	Pentachlorophenol			
	Phenol			
	2,4,6-Trichlorophenol			
	4-Chloro-3-methylphenol			
	2,4-Dinitrophenol			
REPHE002 (7 Compound Mix)	2,6-Dichlorophenol	Each analyte at 2,000 µg/ml in high- purity Dichloromethane (Methylene Chloride)	604	1ml
	2-Methylphenol			
	3-Methylphenol			
	4-Methylphenol			
	2,4,5-Trichlorophenol			
	2,3,4,6-Tetrachlorophenol			
	2-sec-Butyl-4,6-dinitrophenol (Dinoseb)			
REPHE003 (11 Compound Mix)	2-Chlorophenol	Each analyte at 2,000 µg/ml in high- purity Methanol	604	1ml
	2,4-Dichlorophenol			
	2,4-Dimethylphenol			
	2-Methyl-4,6-dinitrophenol (DNOC)			
	2-Nitrophenol			
	4-Nitrophenol			
	Pentachlorophenol			
	Phenol			
	2,4,6-Trichlorophenol			
	4-Chloro-3-methylphenol			
2,4-Dinitrophenol				
REPHE004 (5 Compound Mix)	4-Chloro-3-methylphenol	Each analyte at 2,000 µg/ml in high- purity Methanol	604	1ml
	2-Chlorophenol			
	4-Nitrophenol			
	Pentachlorophenol			
	Phenol			
REPHE005 (18 Compound Mix)	2-Chlorophenol	Each analyte at 2,000 µg/ml in high- purity Isopropanol	8270	1ml
	2,4-Dichlorophenol			
	2,4-Dimethylphenol			
	2-Methyl-4,6-dinitrophenol (DNOC)			
	2-Nitrophenol			
	4-Nitrophenol			
	Pentachlorophenol			
	Phenol			
	2,4,6-Trichlorophenol			
	4-Chloro-3-methylphenol			
	2,4-Dinitrophenol			
	2,6-Dichlorophenol			
	2-Methylphenol			
	3-Methylphenol			
	4-Methylphenol			
2,4,5-Trichlorophenol				
2,3,4,6-Tetrachlorophenol				
2-sec-Butyl-4,6-dinitrophenol (Dinoseb)				

Phenol Mixed Standards

Product No.	Description	Concentration	US EPA Methods	Packed in Ampoule
REPHE006 (13 Compound Mix)	4-Chloro-3-methylphenol	Each analyte at 2,000 µg/ml in high- purity Methanol	8270	1ml
	2-Chlorophenol			
	2,4-Dichlorophenol			
	2,6-Dichlorophenol			
	2,4-Dimethylphenol			
	2,4-Dinitrophenol			
	2-Methyl-4,6-dinitrophenol (DNOC)			
	2-Nitrophenol			
	4-Nitrophenol			
	Pentachlorophenol			
	Phenol			
	2,3,4,6-Tetrachlorophenol			
	2,4,6-Trichlorophenol			
REPHE007 (11 Compound Mix)	4-Chloro-3-methylphenol	Each analyte at 2,000 µg/ml in high- purity Methanol	8270	1ml
	2-Chlorophenol			
	2,4-Dichlorophenol			
	2,4-Dimethylphenol			
	2-Methyl-4,6-dinitrophenol (DNOC)			
	2,4-Dinitrophenol			
	2-Nitrophenol			
	4-Nitrophenol			
	Pentachlorophenol			
	Phenol			
	2,4,6-Trichlorophenol			
REPHE007 (11 Compound Mix)	4-Chloro-3-methylphenol	Each analyte at 2,000 µg/ml in high- purity Methanol	8270	1ml
	2-Chlorophenol			
	2,4-Dichlorophenol			
	2,4-Dimethylphenol			
	2-Methyl-4,6-dinitrophenol (DNOC)			
	2,4-Dinitrophenol			
	2-Nitrophenol			
	4-Nitrophenol			
	Pentachlorophenol			
	Phenol			
	2,4,6-Trichlorophenol			
REPHE008 (5 Compound Mix)	4-Chloro-3-methylphenol	Each analyte at 2,000 µg/ml in high- purity Dichloromethane (Methylene Chloride)	8270	1ml
	2-Chlorophenol			
	4-Nitrophenol			
	Pentachlorophenol			
	Phenol			
REPHE009 (6 Compound Mix)	4-Chloro-3-methylphenol	Each analyte at 2,000 µg/ml in high- purity Dichloromethane (Methylene Chloride)	8270	1ml
	2,4-Dinitrophenol			
	2-Nitrophenol			
	Pentachlorophenol			
	Phenol			
	2,4,6-Trichlorophenol			
REPHE010 (6 Compound Mix)	2-Methylphenol	Each analyte at 2,000 µg/ml in high- purity Dichloromethane (Methylene Chloride)	1311	1ml
	3-Methylphenol			
	4-Methylphenol			
	Pentachlorophenol			
	2,4,6-Trichlorophenol			
	2,4,5-Trichlorophenol			

Phenols Single Compound Standards

Product No.	Description	Concentration	US EPA Methods	Packed in Ampoule
REPHE101	2-Chlorophenol	2000ug/ml in high-purity Methanol	604, 627, 8270, 1311	1ml
REPHE102	2,6-Dichlorophenol	2000ug/ml in high-purity Methanol	604, 627, 8270, 1311	1ml
REPHE103	2,4-Dimethylphenol	2000ug/ml in high-purity Methanol	604, 627, 8270, 1311	1ml
REPHE104	4-Chloro-3-methylphenol	2000ug/ml in high-purity Methanol	604, 627, 8270, 1311	1ml
REPHE105	2-Methyl-4,6-dinitrophenol(DNOC)	2000ug/ml in high-purity Methanol	604, 627, 8270, 1311	1ml
REPHE106	2,4-Dinitrophenol	2000ug/ml in high-purity Methanol	604, 627, 8270, 1311	1ml
REPHE107	2-Nitrophenol	2000ug/ml in high-purity Methanol	604, 627, 8270, 1311	1ml
REPHE108	4-Nitrophenol	2000ug/ml in high-purity Methanol	604, 627, 8270, 1311	1ml
REPHE109	Pentachlorophenol	2000ug/ml in high-purity Methanol	604, 627, 8270, 1311	1ml
REPHE110	Phenol	2000ug/ml in high-purity Methanol	604, 627, 8270, 1311	1ml
REPHE111	2,4,6-Trichlorophenol	2000ug/ml in high-purity Methanol	604, 627, 8270, 1311	1ml
REPHE112	2,4,5-Trichlorophenol	2000ug/ml in high-purity Methanol	604, 627, 8270, 1311	1ml
REPHE113	2,3,4,6-Tetrachlorophenol	2000ug/ml in high-purity Methanol	604, 627, 8270, 1311	1ml
REPHE114	2,6-Dichlorophenol	2000ug/ml in high-purity Methanol	604, 627, 8270, 1311	1ml
REPHE115	2-Methylphenol	2000ug/ml in high-purity Methanol	604, 627, 8270, 1311	1ml
REPHE116	3-Methylphenol	2000ug/ml in high-purity Methanol	604, 627, 8270, 1311	1ml
REPHE117	4-Methylphenol	2000ug/ml in high-purity Methanol	604, 627, 8270, 1311	1ml
REPHE118	Dinoseb	2000ug/ml in high-purity Methanol	604, 627, 8270, 1311	1ml

Phenol Surrogate Standards

Product No.	Description	Concentration	US EPA Methods	Packed in Ampoule
REPHE001-S	2-Fluorobiphenyl	1000 µg/ml	625	1ml
	Nitrobenzene D5	1000 µg/ml		
	p-Terphenyl-D14	1000 µg/ml		
	Methyl Orange In 1:1 Dichloromethane:Acetone	2500 µg/ml		
REPHE001-S	2-Fluorobiphenyl	5000 µg/ml	625	1ml
	Nitrobenzene D5	5000 µg/ml		
	p-Terphenyl-D14	5000 µg/ml		
	Methyl Orange In 1:1 Dichloromethane:Acetone	12500 µg/ml		

Polynuclear Aromatic Hydrocarbons

Why use Reagecons PAH Standards?

Commercial Benefits

- Ready to use (dilute for use as calibration and/or quality control standards)
- Extensive range of organic compound mixes and single compound standards available
- Can be used with a variety of instruments including GC, GC-MS, HPLC and LC-MS
- Designed specifically for use in EPA or EU analytical methods
- Presented in high quality amber ampoules
- Customised formulations available

Technical Benefits

- Produced in accordance with EPA methods
- Consistency of product –Independent, Traceable, Certified.
- Ideal for use in EPA 500, 600 and 8000 series methods
- Compound mix REPAH008 designed specifically for use in EPA 8310 method
- Certificates of Analysis and Safety Data Sheets available online

The product range includes:

1 to 2,000 µg/ml (Mixed Standards)

2,000 µg/ml (Single Component Standards)

These products are prepared gravimetrically on a weight/weight basis. Both solute and solvent are weighed on a balance calibrated by Reagecon engineers using OIML traceable weights. Reagecon holds ISO 17025 accreditation for calibration of non-automatic weighing machines (INAB ref: 265C). The resulting Balance Certificate of Calibration is issued in accordance with the requirements of ISO/IEC 17025. The concentration of each standard is verified using a high performance calibrated Gas Chromatograph - Mass Spectrometer (GC-MS Instrument). The calibration of the GC-MS instrument is completed using high purity ISO Guide 34 accredited PAH standards similar in PAH concentration value to these products. The mass spectrum of each of the analytes is confirmed by comparison with the National Institute of Standards and Technology (NIST) mass spectral library.

Polynuclear Aromatic Hydrocarbons (PAHs) Multi Compound Standards

Product No.	Description	Concentration	US EPA Methods	Packed in Ampoule
REPAH001 (16 Compound Mix)	Acenaphthene	Each analyte at 2,000µg/ml	610	1ml
	Anthracene	in high- purity Benzene:	625	
	Benzo(a)anthracene	Dichloromethane (Methylene Chloride)	8100	
	Chrysene			
	Flouroanthene			
	Fluorene			
	Naphthalene			
	Phenanthrene			
	Pyrene			
	Benzo(a)pyrene			
	Benzo(b)flouroanthene			
	Benzo(g,h,i)perylene			
	Dibenzo(a,h)anthracene			
	Benzo(k)flouroanthene			
	Indeno(1,2,3-cd)pyrene			
	Acenaphthylene			
REPAH002 (16 Compound Mix)	Acenaphthene	Each analyte at 1,000	610	1ml
	Anthracene	µg/ml in high- purity	625	
	Benzo(a)anthracene	Benzene:Dichloromethane	8100	
	Chrysene	(Methylene Chloride)		
	Flouroanthene			
	Fluorene			
	Naphthalene			
	Phenanthrene			
	Pyrene			
	Benzo(a)pyrene			
	Benzo(b)flouroanthene			
	Benzo(g,h,i)perylene			
	Dibenzo(a,h)anthracene			
	Benzo(k)flouroanthene			
	Indeno(1,2,3-cd)pyrene			
	Acenaphthylene			
REPAH003 (16 Compound Mix)	Acenaphthene	1000µg/ml	610	1ml
	Anthracene	100µg/ml	625	
	Benzo(a)anthracene	100µg/ml	8100	
	Chrysene	100µg/ml		
	Flouroanthene	200µg/ml		
	Fluorene	200µg/ml		
	Naphthalene	1000µg/ml		
	Phenanthrene	100µg/ml		
	Pyrene	100µg/ml		
	Benzo(a)pyrene	100µg/ml		
	Benzo(b)flouroanthene	200µg/ml		
	Benzo(g,h,i)perylene	200µg/ml		
	Dibenzo(a,h)anthracene	200µg/ml		
	Benzo(k)flouroanthene	100µg/ml		
	Indeno(1,2,3-cd)pyrene	100µg/ml		
	Acenaphthylene	2000µg/ml		
	Each analyte at above			
	concentrations in high-purity			
	Methanol:Acetone 1:1			

Polynuclear Aromatic Hydrocarbons (PAHs) Multi Compound Standards

Product No.	Description	Concentration	US EPA Methods	Packed in Ampoule
REPAH004 Anthracene	Acenaphthene	Each analyte at 1,000 µg/ml	610	1ml
	in high-purity Toluene		625	
	Benzo(a)anthracene		8100	
	Chrysene			
	Flouroanthene			
	Fluorene			
	Naphthalene			
	Phenanthrene			
	Pyrene			
	Benzo(a)pyrene			
	Benzo(b)flouroanthene			
	Benzo(g,h,i)perylene			
	Dibenzo(a,h)anthracene			
	Benzo(k)flouroanthene			
	Indeno(1,2,3-cd)pyrene			
	Acenaphthylene			
REPAH005 (16 Compound Mix)	Acenaphthene	Each analyte at 100 µg/ml	610	1ml
	Anthracene	in high-purity Acetone	625	
	Benzo(a)anthracene		8100	
	Chrysene			
	Flouroanthene			
	Fluorene			
	Naphthalene			
	Phenanthrene			
	Pyrene			
	Benzo(a)pyrene			
	Benzo(b)flouroanthene			
	Benzo(g,h,i)perylene			
	Dibenzo(a,h)anthracene			
	Benzo(k)flouroanthene			
	Indeno(1,2,3-cd)pyrene			
	Acenaphthylene			
REPAH006 (16 Compound Mix)	Acenaphthene	Each analyte at 2,000 µg/ml	610	1ml
	Anthracene	in high-purity Toluene	625	
	Benzo(a)anthracene		8100	
	Chrysene			
	Flouroanthene			
	Fluorene			
	Naphthalene			
	Phenanthrene			
	Pyrene			
	Benzo(a)pyrene			
	Benzo(b)flouroanthene			
	Benzo(g,h,i)perylene			
	Dibenzo(a,h)anthracene			
	Benzo(k)flouroanthene			
	Indeno(1,2,3-cd)pyrene			
	Acenaphthylene			

Polynuclear Aromatic Hydrocarbons (PAHs) Multi Component Standards

Product No.	Description	Concentration	US EPA Methods	Packed in Ampoule
REPAH007 (16 Compound Mix)	Acenaphthene	Each analyte at 500 µg/ml in high-purity Toluene	610	1ml
	Anthracene		625	
	Benzo(a)anthracene		8100	
	Chrysene			
	Flouroanthene			
	Fluorene			
	Naphthalene			
	Phenanthrene			
	Pyrene			
	Benzo(a)pyrene			
	Benzo(b)flouroanthene			
	Benzo(g,h,i)perylene			
	Dibenzo(a,h)anthracene			
	Benzo(k)flouroanthene			
Indeno(1,2,3-cd)pyrene				
Acenaphthylene				
REPAH008 (16 Compound Mix for EPA 8310 HPLC-UV/FLV)	Acenaphthene	1000µg/ml	8310	1ml
	Anthracene	50µg/ml		
	Benzo(a)anthracene	1µg/ml		
	Chrysene	50µg/ml		
	Flouroanthene	50µg/ml		
	Fluorene	100µg/ml		
	Naphthalene	1000µg/ml		
	Phenanthrene	50µg/ml		
	Pyrene	50µg/ml		
	Benzo(a)pyrene	5µg/ml		
	Benzo(b)flouroanthene	1µg/ml		
	Benzo(g,h,i)perylene	5µg/ml		
	Dibenzo(a,h)anthracene	10µg/ml		
	Benzo(k)flouroanthene	1µg/ml		
	Indeno(1,2,3-cd)pyrene	10µg/ml		
	Acenaphthylene	1000µg/ml		
Each analyte at above concentrations in high-purity				
Acetonitrile				

Polynuclear Aromatic Hydrocarbons (PAHs) Single Component Standards

Product No.	Description	Concentration	US EPA Methods	Packed in Ampoule
REPAH101	Acenaphthene	2000ug/ml in high-purity Toluene	610	1ml
			625	
			8100	
			8310	
REPAH102	Anthracene	2,000 µg/ml in high-purity Toluene	610	1ml
			625	
			8310	

Polynuclear Aromatic Hydrocarbons (PAHs) Multi Component Standards

Product No.	Description	Concentration	US EPA Methods	Packed in Ampoule
REPAH103	Benzo(a)anthracene Toluene	2,000 µg/ml in high-purity	610	1ml
			625	
			8100	
			8310	
REPAH104	Chrysene Toluene	2,000 µg/ml in high-purity	610	1ml
			625	
			8100	
			8310	
REPAH105	Flouroanthene Toluene	2,000 µg/ml in high-purity	610	1ml
			625	
			8100	
			8310	
REPAH106	Fluorene Toluene	2,000 µg/ml in high-purity	610	1ml
			625	
			8100	
			8310	
REPAH107	Naphthalene Toluene	2,000 µg/ml in high-purity	610	1ml
			625	
			8100	
			8310	
REPAH108	Phenanthrene Toluene	2,000 µg/ml in high-purity	610	1ml
			625	
			8100	
			8310	

Polynuclear Aromatic Hydrocarbons (PAHs) Internal Standards and Surrogates

Product No.	Description	Concentration	US EPA Methods	Packed in Ampoule
REPAH001-I	Acenaphthylene D10	4,000ug/ml in high-purity Dichloromethane:Benzene	610	1ml
	Chrysene D12		625	
	1,4-Dichlorobenzene D4		8100	
	Naphthalene D8			
	Perylene D12			
REPAH002-I	Acenaphthylene D10	4,000ug/ml in high-purity Dichloromethane	610	1ml
	Chrysene D12		625	
	1,4-Dichlorobenzene D4		8100	
	Naphthalene D8			
	Perylene D12			
REPAH001-S	2-Fluorobiphenyl	2,000 µg/ml in high-purity Dichloromethane	610	1ml
	1-Fluoronaphthalene		625	
			8100	

Pesticides



Why use Reagecons Pesticide Standards?

Technical Benefits

- Produced in accordance with EPA methods
- Consistency of product – Independent, Traceable, Certified.
- Ideal for use in EPA 500, 600 and 8000 series methods
Certificates of Analysis and Safety Data Sheets available online

Commercial Benefits

- Ready to use (dilute for use as calibration and/or quality control standards)
- Extensive range of organic compound mixes and single compound standards available
- Can be used with a variety of instruments including GC, GC-MS, HPLC and LC-MS
- Designed specifically for use in EPA or EU analytical methods
- Presented in high quality amber ampoules
- Customised formulations available

The product range includes:

5 – 1,000 µg/ml (Mixed Standards)

To

200 – 1,000 µg/ml (Aroclors /Chlordane / Toxaphene Standards)

These products are prepared gravimetrically on a weight/weight basis. Both solute and solvent are weighed on a balance calibrated by Reagecon engineers using OIML traceable weights. Reagecon holds ISO 17025 accreditation for calibration of non-automatic weighing machines (INAB ref: 265C). The resulting Balance Certificate of Calibration is issued in accordance with the requirements of ISO/IEC 17025. The concentration of each standard is verified using a high performance calibrated Liquid Chromatograph - Mass Spectrometer (LC-MS Instrument). The calibration of the LC-MS instrument is completed using high purity ISO Guide 34 accredited Pesticide standards from a secondary source similar in Pesticide concentration value to these products. The mass spectrum of each of the analytes is confirmed by comparison with the National Institute of Standards and Technology (NIST) mass spectral library.

Product No.	Description	Concentration	US EPA Methods	Packed in Ampoule
REPET001 (16 Compound Mix Organohalide Pesticides)	Alachlor	50 µg/ml	505	1ml
	Aldrin	5 µg/ml		
	Atrazine	250 µg/ml		
	Lindane (HCH-gamma)	5 µg/ml		
	alpha-Chlorodane	5 µg/ml		
	gamma-Chlorodane	5 µg/ml		
	Dieldrin	5 µg/ml		
	Endrin	5 µg/ml		
	Heptachlor	5 µg/ml		
	Heptachlor Epoxide	5 µg/ml		
	Hexachlorobenzene	5 µg/ml		
	Hexachlorocyclopentadiene	5 µg/ml		
	Methoxychlor	25 µg/ml		
	cis-Nonachlor	5 µg/ml		
	trans-Nonachlor	5 µg/ml		
Simazine	250 µg/ml			
	In high-purity Acetone			
REPET002 (16 Compound Mix Organohalide Pesticides)	Alachlor	50 µg/ml	505	1ml
	Aldrin	5 µg/ml		
	Atrazine	250 µg/ml		
	Lindane (HCH-gamma)	5 µg/ml		
	alpha-Chlorodane	5 µg/ml		
	gamma-Chlorodane	5 µg/ml		
	Dieldrin	10 µg/ml		
	Endrin	10 µg/ml		
	Heptachlor	5 µg/ml		
	Heptachlor Epoxide	5 µg/ml		
	Hexachlorobenzene	5 µg/ml		
	Hexachlorocyclopentadiene	15 µg/ml		
	Methoxychlor	50 µg/ml		
	cis-Nonachlor	10 µg/ml		
	trans-Nonachlor	10 µg/ml		
Simazine	500 µg/ml			
	In high-purity Acetone			
REPET003 (18 Compound Mix Chlorinated Pesticides)	Aldrin	Each analyte at 1000 µg/ml in high- purity Methyt-tert Butyl Ether	508	1ml
	Lindane (HCH-gamma)			
	HCH-alpha			
	HCH-beta			
	HCH-delta			
	4,4'-DDD			
	4,4'-DDE			
	4,4'-DDT			
	Dieldrin			
	Endosulfan I (alpha)			
	Endosulfan II (beta)			
	Endosulfan Sulfate			
	Endrin			
	Endrin Aldehyde			
	Endrin Ketone			
Heptachlor				
Heptachlor Epoxide				
Methoxychlor				

Product No.	Description	Concentration	US EPA Methods	Packed in Ampoule
REPET004 (18 Compound Mix Chlorinated Pesticides)	Aldrin	5 µg/ml	508	1ml
	Lindane (HCH-gamma)	5 µg/ml		
	HCH-alpha	5 µg/ml		
	HCH-beta	5 µg/ml		
	HCH-delta	5 µg/ml		
	4,4'-DDD	10 µg/ml		
	4,4'-DDE	10 µg/ml		
	4,4'-DDT	10 µg/ml		
	Dieldrin	10 µg/ml		
	Endosulfan I (alpha)	5 µg/ml		
	Endosulfan II (beta)	10 µg/ml		
	Endosulfan Sulfate	10 µg/ml		
	Endrin	10 µg/ml		
	Endrin Aldehyde	10 µg/ml		
	Endrin Ketone	5 µg/ml		
	Heptachlor	5 µg/ml		
	Heptachlor Epoxide	5 µg/ml		
	Methoxychlor	50 µg/ml		
		in high- purity Methyt-tert Butyl Ether		
REPET005 (12 Compound Mix Pesticides)	alpha-Chlorodane	Each analyte at 1000 µg/ml	508	1ml
	gamma-Chlorodane	in high- purity Methyt-tert		
	Chlorbenzilate	Butyl Ether		
	Chlorneb			
	Chlorothalonil			
	DCPA			
	Etridiazole			
	Hexachlorobenzene			
	cis-Permethrin			
	trans-Permethrin			
	Propachlor			
	Trifluralin			
	REPET006 (20 Compound Mix Pesticides)	Alachlor		
Aldrin		high- purity Ethyl Acetate		
Butachlor				
Lindane (HCH-gamma)				
HCH-alpha				
HCH-beta				
HCH-delta				
4,4'-DDD				
4,4'-DDE				
4,4'-DDT				
Dieldrin				
Endosulfan I (alpha)				
Endosulfan II (beta)				
Endosulfan Sulfate				
Endrin				
Endrin Aldehyde				
Endrin Ketone				
Heptachlor				
Heptachlor Epoxide				
Methoxychlor				

Product No.	Description	Concentration	US EPA Methods	Packed in Ampoule
REPET007 (16 Compound Mix Pesticides)	alpha-Chlorodane	Each analyte at 500 µg/ml in	508.1	1ml
	gamma-Chlorodane	high- purity Ethyl Acetate		
	Chlorbenzilate			
	Chlorneb			
	Chlorothalonil			
	Cyanazine			
	DCPA			
	Etridiazole			
	Hexachlorobenzene			
	Hexachlorocyclopentadiene			
	Metolachlor			
	Metribuzin			
	cis-Permethrin			
	trans-Permethrin			
	Propachlor			
	Trifluralin			
REPET008 (16 Compound Mix Pesticides)	Aldrin	100 µg/ml	608	1ml
	Lindane (HCH-gamma)	100 µg/ml		
	HCH-alpha	100 µg/ml		
	HCH-beta	100 µg/ml		
	HCH-delta	100 µg/ml		
	4,4'-DDD	600 µg/ml		
	4,4'-DDE	200 µg/ml		
	4,4'-DDT	600 µg/ml		
	Dieldrin	200 µg/ml		
	Endosulfan I	200 µg/ml		
	Endosulfan II	200 µg/ml		
	Endosulfan Sulfate	600 µg/ml		
	Endrin	200 µg/ml		
Endrin Aldehyde	600 µg/ml			
Heptachlor	100 µg/ml			
Heptachlor Epoxide	100 µg/ml			
	In high-purity Methanol			
REPET009 (18 Compound Mix Pesticides)	Aldrin	Each analyte at 2,000 µg/ml in	608	1ml
	Lindane (HCH-gamma)	high- purity Benzene		
	HCH-alpha			
	HCH-beta			
	HCH-delta			
	4,4'-DDD			
	4,4'-DDE			
	4,4'-DDT			
	Dieldrin			
	Endosulfan I			
	Endosulfan II			
	Endosulfan Sulfate			
	Endrin			
	Endrin Ketone			
	Endrin Aldehyde			
	Heptachlor			
	Heptachlor Epoxide			
	Methoxychlor			

Product No.	Description	Concentration	US EPA Methods	Packed in Ampoule
REPET010 (18 Compound Mix Pesticides)	Aldrin	Each analyte at 1,000 µg/ml in high- purity Toluene:Hexane 1:1	617	1ml
	Lindane (HCH-gamma)			
	HCH-alpha			
	HCH-beta			
	HCH-delta			
	4,4'-DDD			
	4,4'-DDE			
	4,4'-DDT			
	Dieldrin			
	Endosulfan I			
	Endosulfan II			
	Endosulfan Sulfate			
	Endrin			
	Endrin Ketone			
	Endrin Aldehyde			
Heptachlor				
Heptachlor Epoxide				
Methoxychlor				
REPET011 (3 Compound Mix Pesticides)	Isopropalin	Each analyte at 1,000 µg/ml in high - purity Hexane	627	1ml
	Profuralin			
	Trifluralin HCH-beta			
REPET012 (Cyanazine Standard)	Cyanazine	1,000 µg/ml in high - purity Methanol	629	1ml
REPET013 (2 Compound Mix Pesticides)	Napropamide	Each analyte at 1,000 µg/ml in 9:1 Acetonitrile: Acetone	632.1	1ml
	Propanil			
REPET014 (7 Compound Mix Pesticides)	Bromacil	Each analyte at 1,000 µg/ml in high - purity Acetone	633	1ml
	DEET			
	Hexazinone			
	Metribuzin			
	Terbacil			
	Triadimefon			
Tricyclazone				
REPET015 (5 Compound Mix Pesticides)	Fenarimol	Each analyte at 1,000 µg/ml in high - purity Methanol	633.1	1ml
	MGK 624-A			
	MGK 624-B			
	MGK 326			
	Pronamide			
REPET016 (6 Compound Mix Pesticides)	Butylate	Each analyte at 1,000 µg/ml in high - purity Methanol	634	1ml
	Cycloate			
	EPT			
	Molinate			
	Pebulate			
	Vernolate			
REPET017 (6 Compound Mix Pesticides)	Alachlor	Each analyte at 1,000 µg/ml 9:1 in Acetonitrile: Acetone	635	1ml
	Butachlor			
	Diphenamid			
	Fluridone			
	Lethane			
	Norflurazone			

Aroclor High and Low Concentration Standards

Product No.	Description	Concentration	US EPA Methods	Packed in Ampoule
REA1016-H	Aroclor 1016	1,000ug/ml in high-purity Hexane	625, 8270C	1ml
REA1221	Aroclor 1221	200ug/ml in high-purity Hexane	625, 8270C	1ml
REA1221-H	Aroclor 1221	1,000ug/ml in high-purity Hexane	625, 8270C	1ml
REA1232	Aroclor 1232	200ug/ml in high-purity Hexane	625, 8270C	1ml
REA1232-H	Aroclor 1232	1,000ug/ml in high-purity Hexane	625, 8270C	1ml
REA1242	Aroclor 1242	200ug/ml in high-purity Hexane	625, 8270C	1ml
REA1242-H	Aroclor 1242	1,000ug/ml in high-purity Hexane	625, 8270C	1ml
REA1248	Aroclor 1248	200ug/ml in high-purity Hexane	625, 8270C	1ml
REA1248-H	Aroclor 1248	1,000ug/ml in high-purity Hexane	625, 8270C	1ml
REA1254	Aroclor 1254	200ug/ml in high-purity Hexane	625, 8270C	1ml
REA1254-H	Aroclor 1254	1,000ug/ml in high-purity Hexane	625, 8270C	1ml
REA1260	Aroclor 1260	200ug/ml in high-purity Hexane	625, 8270C	1ml
REA1260-H	Aroclor 1260	1,000ug/ml in high-purity Hexane	625, 8270C	1ml
REA1262	Aroclor 1262	200ug/ml in high-purity Hexane	625, 8270C	1ml
REA1262-H	Aroclor 1262	1,000ug/ml in high-purity Hexane	625, 8270C	1ml
REA1268	Aroclor 1268	200ug/ml in high-purity Hexane	625, 8270C	1ml
REA1268-H	Aroclor 1268	1,000ug/ml in high-purity Hexane	625, 8270C	1ml

Toxaphene/Chlordane High and Low Concentration Standards

Product No.	Description	Concentration	US EPA Methods	Packed in Ampoule
RECLC001	Technical Chlordane	200ug/ml in high-purity Hexane	625 8270C	1ml
RECLC001-H	Technical Chlordane	1,000ug/ml in high-purity Hexane	625 8270C	1ml
RETOX001	Toxaphene	200ug/ml in high-purity Hexane	625 8270C	1ml
RETOX001-H	Toxaphene	1,000ug/ml in high-purity Hexane	625 8270C	1ml

Brix/ Refractive Index Standards

Why use Reagecons Brix/ Refractive Index Standards?

Commercial Benefits

- Extended shelf life (12 weeks) (Manufactured in accordance with ICUMSA guidelines)
- Extended 1 Year shelf life (For users not required to follow ICUMSA Guidelines)
- Can be used with any brand of refractometer.
- Extensive range (0 -60%)
- Presented in a convenient high quality dropper bottle
- Available as single bottles of a handy set of 6 bottles
- Available as equivalent R.I. to the Brix Standards @ 20°C
- Ready to Use

Technical Benefits

- Uncertainty of measurement $\pm 0.01\%$ for all Brix values @ 20°C
- Uncertainty of measurement ± 0.00014 units for standards expressed in R.I. units
- 1 full set in accordance with ICUMSA guidelines
- Consistency of product-Independent, Traceable, Certified.
- Certificates of Analysis and Safety Data Sheets available online

Reagecon manufactures several ranges of Brix/Refractive Index Standards for ease of use when calibrating all types of refractometers. All of these standards are manufactured using high purity raw materials. The first range - Product No's BS00 to BS60, are manufactured in accordance with ICUMSA guidelines and have an extended 12 week shelf life. The subsequent ranges – Product No.'s BS00S to BS60S for single bottles and BS00S6 to BS60S6 for packs of six bottles, have the same raw materials as the ICUMSA range: but have an extended shelf – life of 1 year. These products represent excellent value for users that are not required to follow ICUMSA Guidelines. The remaining set of products - Product No.'s RIBS00S to RIBS60S have identical components and shelf life (1 Year) to the stabilised Brix Standards already described but the certified values are expressed as a equivalent Refractive Index (R.I.) value. All these products are prepared gravimetrically on a weight/weight basis. Both solute (sucrose) and solvent (water) are weighed on a balance calibrated by Reagecon engineers using OIML traceable weights. Reagecon holds ISO 17025 accreditation for calibration of non-automatic weighing machines (INAB ref: 265C). The resulting Balance Certificate of Calibration is issued in accordance with the requirements of ISO/IEC 17025. The R.I. of the standard is verified using a high performance calibrated, temperature controlled refractometer. The calibration of this instrument is completed using high purity ISO Guide 34 accredited Brix standards similar in Brix value to the products listed below.

Brix Standards - ICUMSA - 12 Week Shelf Life

Product No.	Description (20°C)	Equivalent Refractive Index @ 20°C	Pack size
BS00	Sucrose (Brix) Standard – 0%	1.332986	15ml
BS05	Sucrose (Brix) Standard – 5%	1.340264	15ml
BS07	Sucrose (Brix) Standard – 7%	1.343253	15ml
BS10	Sucrose (Brix) Standard – 10%	1.347824	15ml
BS112	Sucrose (Brix) Standard – 11.2%	1.349682	15ml
BS115	Sucrose (Brix) Standard – 11.5%	1.350149	15ml
BS12	Sucrose (Brix) Standard – 12%	1.350930	15ml
BS125	Sucrose (Brix) Standard – 12.5%	1.351714	15ml
BS15	Sucrose (Brix) Standard – 15%	1.355679	15ml
BS20	Sucrose (Brix) Standard – 20%	1.363842	15ml
BS25	Sucrose (Brix) Standard – 25%	1.372328	15ml
BS30	Sucrose (Brix) Standard – 30%	1.381149	15ml
BS35	Sucrose (Brix) Standard – 35%	1.390322	15ml
BS40	Sucrose (Brix) Standard – 40%	1.399860	15ml
BS45	Sucrose (Brix) Standard – 45%	1.409777	15ml
BS50	Sucrose (Brix) Standard – 50%	1.420087	15ml
BS55	Sucrose (Brix) Standard – 55%	1.430800	15ml
BS60	Sucrose (Brix) Standard – 60%	1.441928	15ml

Brix Standards - Stabilised - 1 Year Shelf Life

Product No.	Description (20°C)	Equivalent Refractive Index @ 20°C	Pack size
BS00S	Sucrose (Brix) Standard – 0%	1.332986	15ml
BS05S	Sucrose (Brix) Standard – 5%	1.340264	15ml
BS07S	Sucrose (Brix) Standard – 7%	1.343253	15ml
BS10S	Sucrose (Brix) Standard – 10%	1.347824	15ml
BS112S	Sucrose (Brix) Standard – 11.2%	1.349682	15ml
BS115S	Sucrose (Brix) Standard – 11.5%	1.350149	15ml
BS12S	Sucrose (Brix) Standard – 12%	1.350930	15ml
BS125S	Sucrose (Brix) Standard – 12.5%	1.351714	15ml
BS15S	Sucrose (Brix) Standard – 15%	1.355679	15ml
BS20S	Sucrose (Brix) Standard – 20%	1.363842	15ml
BS25S	Sucrose (Brix) Standard – 25%	1.372328	15ml
BS30S	Sucrose (Brix) Standard – 30%	1.381149	15ml
BS35S	Sucrose (Brix) Standard – 35%	1.390322	15ml
BS40S	Sucrose (Brix) Standard – 40%	1.399860	15ml
BS45S	Sucrose (Brix) Standard – 45%	1.409777	15ml
BS50S	Sucrose (Brix) Standard – 50%	1.420087	15ml
BS55S	Sucrose (Brix) Standard – 55%	1.430800	15ml
BS60S	Sucrose (Brix) Standard – 60%	1.441928	15ml

Brix Standards - Stabilised - 1 Year Shelf Life Set of 6

Product No.	Description (20°C)	Equivalent Refractive Index @ 20°C	Pack size
BS00S6	Sucrose (Brix) Standard – 0%	1.332986	15ml x 6
BS05S6	Sucrose (Brix) Standard – 5%	1.340264	15ml x 6
BS07S6	Sucrose (Brix) Standard – 7%	1.343253	15ml x 6
BS10S6	Sucrose (Brix) Standard – 10%	1.347824	15ml x 6
BS112S6	Sucrose (Brix) Standard – 11.2%	1.349682	15ml x 6
BS115S6	Sucrose (Brix) Standard – 11.5%	1.350149	15ml x 6
BS12S6	Sucrose (Brix) Standard – 12%	1.350930	15ml x 6
BS125S6	Sucrose (Brix) Standard – 12.5%	1.351714	15ml x 6
BS15S6	Sucrose (Brix) Standard – 15%	1.355679	15ml x 6
BS20S6	Sucrose (Brix) Standard – 20%	1.363842	15ml x 6
BS25S6	Sucrose (Brix) Standard – 25%	1.372328	15ml x 6
BS30S6	Sucrose (Brix) Standard – 30%	1.381149	15ml x 6
BS35S6	Sucrose (Brix) Standard – 35%	1.390322	15ml x 6
BS40S6	Sucrose (Brix) Standard – 40%	1.399860	15ml x 6
BS45S6	Sucrose (Brix) Standard – 45%	1.409777	15ml x 6
BS50S6	Sucrose (Brix) Standard – 50%	1.420087	15ml x 6
BS55S6	Sucrose (Brix) Standard – 55%	1.430800	15ml x 6
BS60S6	Sucrose (Brix) Standard – 60%	1.441928	15ml x 6

Refractive Index Standards - Stabilised - 1 Year Shelf Life

Product No.	Description (20°C)	Equivalent Refractive Index @ 20°C	Pack size
RIBS07S	Refractive Index @ 20°C	1.343253	15ml
RIBS10S	Refractive Index @ 20°C	1.347824	15ml
RIBS112S	Refractive Index @ 20°C	1.349682	15ml
RIBS115S	Refractive Index @ 20°C	1.350149	15ml
RIBS12S	Refractive Index @ 20°C	1.350930	15ml
RIBS125S	Refractive Index @ 20°C	1.351714	15ml
RIBS15S	Refractive Index @ 20°C	1.355679	15ml
RIBS20S	Refractive Index @ 20°C	1.363842	15ml
RIBS25S	Refractive Index @ 20°C	1.372328	15ml
RIBS30S	Refractive Index @ 20°C	1.381149	15ml
RIBS35S	Refractive Index @ 20°C	1.390322	15ml
RIBS40S	Refractive Index @ 20°C	1.399860	15ml
RIBS45S	Refractive Index @ 20°C	1.409777	15ml
RIBS50S	Refractive Index @ 20°C	1.420087	15ml
RIBS55S	Refractive Index @ 20°C	1.430800	15ml
RIBS60S	Refractive Index @ 20°C	1.441928	15ml

Density Standards

Why use Reagecons Density Standards?

Commercial Benefits

- Extensive range (0.6407 – 3.1096 g/ml)
- No toxic heavy metals used in any formulation
- Can be used with any brand or type of density measuring instrument
- Presented in a high quality tamper proof Amber glass bottle
- Customised formulations available

Technical Benefits

- Uncertainty of measurement (assay procedure) $\pm 0.16\%$
- Uncertainty of measurement (gravimetric preparation) $\pm 0.01\%$
- Produced in accordance with ASTM D4052-09 Guidelines
- Consistency of product – Independent, Traceable, Certified
- Certificates of Analysis and Safety Data Sheets available online

Reagecon manufactures an extensive range of Density Standards in accordance with ASTM D4052-09 for testing of Density, Relative Density and API Gravity of Liquids by Digital Density Meter. These materials can be used as calibration standards or Analyst Qualification Controls for density measurement by vibrational techniques, pycnometric techniques or hydrometer based techniques.

The product range includes:

- 0.6960 – 3.1140g/ml @ 15°C
- 0.6619 – 3.1096g/ml @ 20°C
- 0.6878 – 3.1043g/ml @ 25°C
- 0.6752 – 3.0852g/ml @ 40°C
- 0.6668 – 3.0721g/ml @ 50°C
- 0.6582 – 1.0478g/ml @ 60°C
- 0.6407 – 1.0302g/ml @ 80°C

These products are prepared gravimetrically on a weight/weight basis. Both solute and solvent are weighed on a balance calibrated by Reagecon engineers using OIML traceable weights. Reagecon holds ISO 17025 accreditation for calibration of non-automatic weighing machines (INAB ref: 265C). The resulting Balance Certificate of Calibration is issued in accordance with the requirements of ISO/IEC 17025. The density of each standard is verified using a high performance calibrated density meter. The calibration of the density meter (identification no. - RRD015) is completed using high purity ISO Guide 34 accredited density standards similar in density value to these products.

Density Standards at 15°C

Product No.	Description	Pack size
DEN15010	Density Standard 0.6960g/ml @15°C	100ml
DEN15020	Density Standard 0.7073g/ml @15°C	100ml
DEN15030	Density Standard 0.7184g/ml @15°C	100ml
DEN15040	Density Standard 0.7298g/ml @15°C	100ml
DEN15050	Density Standard 0.7411g/ml @15°C	100ml
DEN15060	Density Standard 0.7524g/ml @15°C	100ml
DEN15070	Density Standard 0.7721g/ml @15°C	100ml
DEN15080	Density Standard 0.7933g/ml @15°C	100ml
DEN15090	Density Standard 0.8168g/ml @15°C	100ml
DEN15100	Density Standard 0.8428g/ml @15°C	100ml
DEN15110	Density Standard 0.8715g/ml @15°C	100ml
DEN15120	Density Standard 0.9135g/ml @15°C	100ml
DEN15130	Density Standard 0.9514g/ml @15°C	100ml
DEN15140	Density Standard 1.0040g/ml @15°C	100ml
DEN15150	Density Standard 1.0337g/ml @15°C	100ml
DEN15160	Density Standard 1.0828g/ml @15°C	100ml
DEN15170	Density Standard 1.1661g/ml @15°C	100ml
DEN15180	Density Standard 1.2498g/ml @15°C	100ml
DEN15190	Density Standard 1.3318g/ml @15°C	100ml
DEN15200	Density Standard 1.4152g/ml @15°C	100ml
DEN15210	Density Standard 1.5820g/ml @15°C	100ml
DEN15220	Density Standard 1.7495g/ml @15°C	100ml
DEN15230	Density Standard 1.9171g/ml @15°C	100ml
DEN15240	Density Standard 2.0846g/ml @15°C	100ml
DEN15250	Density Standard 2.2568g/ml @15°C	100ml
DEN15260	Density Standard 2.4261g/ml @15°C	100ml
DEN15270	Density Standard 2.6055g/ml @15°C	100ml
DEN15280	Density Standard 2.7588g/ml @15°C	100ml
DEN15290	Density Standard 2.9418g/ml @15°C	100ml
DEN15300	Density Standard 3.1140g/ml @15°C	100ml

Density Standards at 20°C

Product No.	Description	Pack size
DEN20010	Density Standard 0.6919g/ml @20°C	100ml
DEN20020	Density Standard 0.7033g/ml @20°C	100ml
DEN20030	Density Standard 0.7148g/ml @20°C	100ml
DEN20040	Density Standard 0.7261g/ml @20°C	100ml
DEN20050	Density Standard 0.7374g/ml @20°C	100ml
DEN20060	Density Standard 0.7488g/ml @20°C	100ml
DEN20070	Density Standard 0.7683g/ml @20°C	100ml
DEN20080	Density Standard 0.7893g/ml @20°C	100ml
DEN20090	Density Standard 0.8126g/ml @20°C	100ml
DEN20100	Density Standard 0.8384g/ml @20°C	100ml
DEN20110	Density Standard 0.8668g/ml @20°C	100ml
DEN20120	Density Standard 0.9098g/ml @20°C	100ml
DEN20130	Density Standard 0.9476g/ml @20°C	100ml
DEN20140	Density Standard 1.0005g/ml @20°C	100ml
DEN20150	Density Standard 1.0301g/ml @20°C	100ml
DEN20160	Density Standard 1.0792g/ml @20°C	100ml
DEN20170	Density Standard 1.1651g/ml @20°C	100ml
DEN20180	Density Standard 1.2486g/ml @20°C	100ml
DEN20190	Density Standard 1.3304g/ml @20°C	100ml
DEN20200	Density Standard 1.4136g/ml @20°C	100ml
DEN20210	Density Standard 1.5799g/ml @20°C	100ml
DEN20220	Density Standard 1.7470g/ml @20°C	100ml
DEN20230	Density Standard 1.9141g/ml @20°C	100ml
DEN20240	Density Standard 2.0812g/ml @20°C	100ml
DEN20250	Density Standard 2.2531g/ml @20°C	100ml
DEN20260	Density Standard 2.4219g/ml @20°C	100ml
DEN20270	Density Standard 2.6011g/ml @20°C	100ml
DEN20280	Density Standard 2.7542g/ml @20°C	100ml
DEN20290	Density Standard 2.9370g/ml @20°C	100ml
DEN20300	Density Standard 3.1096g/ml @20°C	100ml



Density Standards at 25°C

Product No.	Description	Pack size
DEN25010	Density Standard 0.6878g/ml @25°C	100ml
DEN25020	Density Standard 0.6993g/ml @25°C	100ml
DEN25030	Density Standard 0.7111g/ml @25°C	100ml
DEN25040	Density Standard 0.7223g/ml @25°C	100ml
DEN25050	Density Standard 0.7337g/ml @25°C	100ml
DEN25060	Density Standard 0.7452g/ml @25°C	100ml
DEN25070	Density Standard 0.7645g/ml @25°C	100ml
DEN25080	Density Standard 0.7853g/ml @25°C	100ml
DEN25090	Density Standard 0.8084g/ml @25°C	100ml
DEN25100	Density Standard 0.8340g/ml @25°C	100ml
DEN25110	Density Standard 0.8622g/ml @25°C	100ml
DEN25120	Density Standard 0.9060g/ml @25°C	100ml
DEN25130	Density Standard 0.9438g/ml @25°C	100ml
DEN25140	Density Standard 0.9969g/ml @25°C	100ml
DEN25150	Density Standard 1.0265g/ml @25°C	100ml
DEN25160	Density Standard 1.0755g/ml @25°C	100ml
DEN25170	Density Standard 1.1639g/ml @25°C	100ml
DEN25180	Density Standard 1.2471g/ml @25°C	100ml
DEN25190	Density Standard 1.3287g/ml @25°C	100ml
DEN25200	Density Standard 1.4117g/ml @25°C	100ml
DEN25210	Density Standard 1.5775g/ml @25°C	100ml
DEN25220	Density Standard 1.7441g/ml @25°C	100ml
DEN25230	Density Standard 1.9108g/ml @25°C	100ml
DEN25240	Density Standard 2.0775g/ml @25°C	100ml
DEN25250	Density Standard 2.2490g/ml @25°C	100ml
DEN25260	Density Standard 2.4175g/ml @25°C	100ml
DEN25270	Density Standard 2.5964g/ml @25°C	100ml
DEN25280	Density Standard 2.7493g/ml @25°C	100ml
DEN25290	Density Standard 2.9319g/ml @25°C	100ml
DEN25300	Density Standard 3.1043g/ml @25°C	100ml

Density Standards at 40°C

Product No.	Description	Pack size
DEN40010	Density Standard 0.6752g/ml @40°C	100ml
DEN40020	Density Standard 0.6872g/ml @40°C	100ml
DEN40030	Density Standard 0.6997g/ml @40°C	100ml
DEN40040	Density Standard 0.7109g/ml @40°C	100ml
DEN40050	Density Standard 0.7226g/ml @40°C	100ml
DEN40060	Density Standard 0.7343g/ml @40°C	100ml
DEN40070	Density Standard 0.7531g/ml @40°C	100ml
DEN40080	Density Standard 0.7733g/ml @40°C	100ml
DEN40090	Density Standard 0.7958g/ml @40°C	100ml
DEN40100	Density Standard 0.8207g/ml @40°C	100ml
DEN40110	Density Standard 0.8482g/ml @40°C	100ml
DEN40120	Density Standard 0.8945g/ml @40°C	100ml
DEN40130	Density Standard 0.9323g/ml @40°C	100ml
DEN40140	Density Standard 0.9857g/ml @40°C	100ml
DEN40150	Density Standard 1.0152g/ml @40°C	100ml
DEN40160	Density Standard 1.0642g/ml @40°C	100ml
DEN40170	Density Standard 1.1581g/ml @40°C	100ml
DEN40180	Density Standard 1.2408g/ml @40°C	100ml
DEN40190	Density Standard 1.3217g/ml @40°C	100ml
DEN40200	Density Standard 1.4039g/ml @40°C	100ml
DEN40210	Density Standard 1.5685g/ml @40°C	100ml
DEN40220	Density Standard 1.7339g/ml @40°C	100ml
DEN40230	Density Standard 1.8994g/ml @40°C	100ml
DEN40240	Density Standard 2.0649g/ml @40°C	100ml
DEN40250	Density Standard 2.2352g/ml @40°C	100ml
DEN40260	Density Standard 2.4028g/ml @40°C	100ml
DEN40270	Density Standard 2.5807g/ml @40°C	100ml
DEN40280	Density Standard 2.7329g/ml @40°C	100ml
DEN40290	Density Standard 2.9132g/ml @40°C	100ml
DEN40300	Density Standard 3.0852g/ml @40°C	100ml



Density Standards at 50°C

Product No.	Description	Pack size
DEN50010	Density Standard 0.6668g/ml @50°C	100ml
DEN50020	Density Standard 0.6791g/ml @50°C	100ml
DEN50030	Density Standard 0.6917g/ml @50°C	100ml
DEN50040	Density Standard 0.7033g/ml @50°C	100ml
DEN50050	Density Standard 0.7151g/ml @50°C	100ml
DEN50060	Density Standard 0.7269g/ml @50°C	100ml
DEN50070	Density Standard 0.7454g/ml @50°C	100ml
DEN50080	Density Standard 0.7653g/ml @50°C	100ml
DEN50090	Density Standard 0.7873g/ml @50°C	100ml
DEN50100	Density Standard 0.8118g/ml @50°C	100ml
DEN50110	Density Standard 0.8387g/ml @50°C	100ml
DEN50120	Density Standard 0.8868g/ml @50°C	100ml
DEN50130	Density Standard 0.9245g/ml @50°C	100ml
DEN50140	Density Standard 0.9777g/ml @50°C	100ml
DEN50150	Density Standard 1.0073g/ml @50°C	100ml
DEN50160	Density Standard 1.0562g/ml @50°C	100ml
DEN50170	Density Standard 1.1512g/ml @50°C	100ml
DEN50180	Density Standard 1.2346g/ml @50°C	100ml
DEN50190	Density Standard 1.3138g/ml @50°C	100ml
DEN50200	Density Standard 1.3973g/ml @50°C	100ml
DEN50210	Density Standard 1.5609g/ml @50°C	100ml
DEN50220	Density Standard 1.7257g/ml @50°C	100ml
DEN50230	Density Standard 1.8904g/ml @50°C	100ml
DEN50240	Density Standard 2.0551g/ml @50°C	100ml
DEN50250	Density Standard 2.2247g/ml @50°C	100ml
DEN50260	Density Standard 2.3916g/ml @50°C	100ml
DEN50270	Density Standard 2.5689g/ml @50°C	100ml
DEN50280	Density Standard 2.7207g/ml @50°C	100ml
DEN50290	Density Standard 2.9005g/ml @50°C	100ml
DEN50300	Density Standard 3.0721g/ml @50°C	100ml

Density Standards at 60°C

Product No.	Description	Pack size
DEN60010	Density Standard 0.6582g/ml @60°C	100ml
DEN60020	Density Standard 0.6708g/ml @60°C	100ml
DEN60030	Density Standard 0.6835g/ml @60°C	100ml
DEN60040	Density Standard 0.6955g/ml @60°C	100ml
DEN60050	Density Standard 0.7076g/ml @60°C	100ml
DEN60060	Density Standard 0.7196g/ml @60°C	100ml
DEN60070	Density Standard 0.7376g/ml @60°C	100ml
DEN60080	Density Standard 0.7572g/ml @60°C	100ml
DEN60090	Density Standard 0.7788g/ml @60°C	100ml
DEN60100	Density Standard 0.8027g/ml @60°C	100ml
DEN60110	Density Standard 0.8292g/ml @60°C	100ml
DEN60120	Density Standard 0.8790g/ml @60°C	100ml
DEN60130	Density Standard 0.9166g/ml @60°C	100ml
DEN60140	Density Standard 0.9695g/ml @60°C	100ml
DEN60150	Density Standard 0.9990g/ml @60°C	100ml
DEN60160	Density Standard 1.0478g/ml @60°C	100ml

Density Standards at 80°C

Product No.	Description	Pack size
DEN80010	Density Standard 0.6407g/ml @80°C	100ml
DEN80020	Density Standard 0.6538g/ml @80°C	100ml
DEN80030	Density Standard 0.6661g/ml @80°C	100ml
DEN80040	Density Standard 0.6798g/ml @80°C	100ml
DEN80050	Density Standard 0.6923g/ml @80°C	100ml
DEN80060	Density Standard 0.7047g/ml @80°C	100ml
DEN80070	Density Standard 0.7220g/ml @80°C	100ml
DEN80080	Density Standard 0.7407g/ml @80°C	100ml
DEN80090	Density Standard 0.7614g/ml @80°C	100ml
DEN80100	Density Standard 0.7844g/ml @80°C	100ml
DEN80110	Density Standard 0.8098g/ml @80°C	100ml
DEN80120	Density Standard 0.8629g/ml @80°C	100ml
DEN80130	Density Standard 0.9006g/ml @80°C	100ml
DEN80140	Density Standard 0.9520g/ml @80°C	100ml
DEN80150	Density Standard 0.9815g/ml @80°C	100ml
DEN80160	Density Standard 1.0302g/ml @80°C	100ml

Osmolality

Melting Point Standards

Why use Reagecons Osmolality Standards?

Commercial Benefits

- Extended shelf life
- Can be used with any brand of Osmometer
- Extensive range (50 - 3000mOsm/kg H₂O (including protein based and urine based standards)
- Presented in convenient ampoules
- Ready to Use

Technical Benefits

- Low Uncertainty of Measurement.
- Manufactured in accordance with European Pharmacopoeia guidelines
- Consistency of product-Independent, Traceable, Certified
- Certificates of Analysis and Safety Data Sheets available online

Reagecon manufactures a range of Osmolality Standards for ease of use when calibrating all types of osmometers, irrespective of brand. All Osmolality standards are manufactured using high purity raw materials in accordance with European Pharmacopoeia guidelines. These products are prepared gravimetrically on a weight/weight basis. Both solute (salts) and solvent (water) are weighed on a balance calibrated by Reagecon engineers using OIML traceable weights. Reagecon holds ISO 17025 accreditation for calibration of non-automatic weighing machines (INAB ref: 265C). The resulting Balance Certificate of Calibration is issued in accordance with the requirements of ISO/IEC 17025. The Osmolality of the standard is verified using a high performance calibrated, temperature controlled osmometer. The calibration of this instrument is completed using high purity certified Osmolality standards similar in value to the products listed below.



Product No.	Description	European Pharmacopoeia 2.2.35 Osmolality Standard USP <785>	Pack size
RE-OSM-50	50mOsm/Kg H ₂ O Osmolality Standard	Conforms	12 x 5ml
RE-OSM-100	100mOsm/Kg H ₂ O Osmolality Standard	Conforms	12 x 5ml
RE-OSM-200	200mOsm/Kg H ₂ O Osmolality Standard	Conforms	12 x 5ml
RE-OSM-290	290mOsm/Kg H ₂ O Osmolality Standard	Conforms	12 x 5ml
RE-OSM-300	300mOsm/Kg H ₂ O Osmolality Standard	Conforms	12 x 5ml
RE-OSM-400	400mOsm/Kg H ₂ O Osmolality Standard	Conforms	12 x 5ml
RE-OSM-500	500mOsm/Kg H ₂ O Osmolality Standard	Conforms	12 x 5ml
RE-OSM-850	850mOsm/Kg H ₂ O Osmolality Standard	Conforms	12 x 5ml
RE-OSM-900	900mOsm/Kg H ₂ O Osmolality Standard	Conforms	12 x 5ml
RE-OSM-1000	1000mOsm/Kg H ₂ O Osmolality Standard	Conforms	12 x 5ml
RE-OSM-1500	1500mOsm/Kg H ₂ O Osmolality Standard	Conforms	12 x 5ml
RE-OSM-2000	2000mOsm/Kg H ₂ O Osmolality Standard	Conforms	12 x 5ml
RE-OSM-3000	3000mOsm/Kg H ₂ O Osmolality Standard	Conforms	12 x 5ml
RE-OSM-240	Protein Based 240mOsm/Kg H ₂ O Osmolality Standard	Conforms	12 x 5ml
RE-OSM-280	Protein Based 280mOsm/Kg H ₂ O Osmolality Standard	Conforms	12 x 5ml
RE-OSM-320	Protein Based 320mOsm/Kg H ₂ O Osmolality Standard	Conforms	12 x 5ml
RE-OSM-300	Urine Based 300mOsm/Kg H ₂ O Osmolality Standard	Conforms	12 x 5ml
RE-OSM-800	Urine Based 800mOsm/Kg H ₂ O Osmolality Standard	Conforms	12 x 5ml

Why use Reagecons Melting Point Standards?

Commercial Benefits

- Extensive range
- Can be used with any melting point apparatus
- Presented in high quality glass bottles
- Customised Melting Point Standards available
- Ready to Use

Technical Benefits

- Uncertainty of measurement down to ± 0.3°C
- Consistency of product –Independent, Traceable, Certified
- Certificates of Analysis and Safety Data Sheets available online

The product range includes:

Benzophenone, Melting Point +47 to +49°C

To

Anthraquinone, Melting Point +283 to +286°C

These products are prepared using the highest purity raw materials. Melting points are determined using a high accuracy DSC system that is calibrated to the ITS – 90 International Temperature Scale. Verification measurements are completed using a high specification melting point apparatus.



Routine Melting Point Standards

Product No.	Description	Nominal Melting Point(s)		Pack size
RMPSET1	Melting Point Standard Set Sulphanilimide Caffeine Vanillin	Sulphanilimide Caffeine Vanillin	+164 to +166°C +235 to +237°C +81 to +83°C"	3 x 1g
RMP236	Melting Point Standard, Caffeine	Caffeine	+235 to +237°C	1 x 1 g
RMP165	Melting Point Standard, Sulphanilamide	Sulphanamide	+164 to +166°C	1 x 1 g
RMP082	Melting Point Standard, Vanillin	Vanillin	+81 to +83°C	1 x 1 g

Extended Range Melting Point Standards

Product No.	Description	Nominal Melting Point(s)		Pack size
RMPSET2	Melting Point Standard Set Benzophenone Benzoic Acid Anthraquinone	Benzophenone Benzoic Acid Anthraquinone	+47 to +49°C +121 to +123°C +283 to +286°C	3 x 1g
RMP048	Melting Point Standard, Benzophenone	Benzophenone	+47 to +49°C	1 x 1 g
RMP122	Melting Point Standard, Benzoic Acid	Benzoic Acid	+121 to +123°C	1 x 1 g
RMP284	Melting Point Standard, Anthraquinone	Anthraquinone	+283 to +286°C	1 x 1 g

Spectrophotometry

Why use Reagecons Spectrophotometry Standards?

Commercial Benefits

- Can be used with all UV-VIS Spectrophotometres
- Permanently sealed cuvettes available
- No Waste
- Ready to Use

Technical Benefits

- National Institute of Standards and Technology (NIST) Traceable
- Produced with salts sourced directly from NIST where applicable
- All standards certified at multiple slit widths
- Certified measurement uncertainties
- Consistency of product –Independent, Traceable, Certified
- Certificates of Analysis and Safety Data Sheets available online

The product range includes:

- Linearity Standards
- Wavelength Standards
- Stray Light Standards
- Bandwidth Standards

These products are prepared gravimetrically on a weight/weight basis. Both solute and solvent are weighed on a balance calibrated by Reagecon engineers using OIML traceable weights. Reagecon holds ISO 17025 accreditation for calibration of non-automatic weighing machines (INAB ref: 265C). The resulting Balance Certificate of Calibration is issued in accordance with the requirements of ISO/IEC 17025. The certified values of each standard are verified using a high performance spectrophotometer calibrated with NIST traceable, ISO Guide 34 Certified Standards.



Linearity Standards @ 235, 257, 313 and 350nm

Blank is provided free of charge with each product no. from RSPEC0022 to RSPEC0026 inclusive.

Product No.	Description	Concentration	Packed in
RSPEC1022	Potassium Dichromate Linearity Set With Blank	0mg/l, 20mg/l, 40mg/l, 60mg/l, 80mg/l, 100mg/l	6 x permanently sealed UV Cuvettes
RSPEC0022	Potassium Dichromate Absorbance/ Transmission Standard	20mg/l	1 x Permanently Sealed UV Cuvette
RSPEC0023	Potassium Dichromate Absorbance/ Transmission Standard	40mg/l	1 x Permanently Sealed UV Cuvette
RSPEC0024	Potassium Dichromate Absorbance/ Transmission Standard	60mg/l	1 x Permanently Sealed UV Cuvette
RSPEC0025	Potassium Dichromate Absorbance/ Transmission Standard	80mg/l	1 x Permanently Sealed UV Cuvette
RSPEC0026	Potassium Dichromate Absorbance/ Transmission Standard	100mg/l	1 x Permanently Sealed UV Cuvette
RSPEC00511	Blank - 0.001M Perchloric Acid	0mg/l	100ml Amber Bottle
RSPEC00221	Potassium Dichromate Absorbance/ Transmission Standard	20mg/l	100ml Amber Bottle
RSPEC00231	Potassium Dichromate Absorbance/ Transmission Standard	40mg/l	100ml Amber Bottle
RSPEC00241	Potassium Dichromate Absorbance/ Transmission Standard	60mg/l	100ml Amber Bottle
RSPEC00251	Potassium Dichromate Absorbance/ Transmission Standard	80mg/l	100ml Amber Bottle
RSPEC00261	Potassium Dichromate Absorbance/ Transmission Standard	100mg/l	100ml Amber Bottle

Linearity Standards @ 213 and 261nm

Blank is provided free of charge with each product no. from RSPEC0027 to RSPEC0030 inclusive.

Product No.	Description	Concentration	Packed in
RSPEC1027	Nicotinic Acid Linearity Set With Blank in Sealed Cuvettes - 0mg/l, 6mg/l, 12mg/l, 18mg/l, 24mg/l.	0mg/l, 6mg/l, 12mg/l, 18mg/l, 24mg/l.	5 x permanently sealed UV Cuvettes
RSPEC0027	Nicotinic Acid Absorbance/ Transmission Standard	6mg/l	1 x Permanently Sealed UV Cuvette
RSPEC0028	Nicotinic Acid Absorbance/ Transmission Standard	12mg/l	1 x Permanently Sealed UV Cuvette
RSPEC0029	Nicotinic Acid Absorbance/ Transmission Standard	18mg/l	1 x Permanently Sealed UV Cuvette
RSPEC0030	Nicotinic Acid Absorbance/ Transmission Standard	24mg/l	1 x Permanently Sealed UV Cuvette
RSPEC00521	Blank - 0.1M Hydrochloric Acid	0mg/l	100ml Amber Bottle
RSPEC00271	Nicotinic Acid Absorbance/ Transmission Standard	6mg/l	100ml Amber Bottle
RSPEC00281	Nicotinic Acid Absorbance/ Transmission Standard	12mg/l	100ml Amber Bottle
RSPEC00291	Nicotinic Acid Absorbance/ Transmission Standard	18mg/l	100ml Amber Bottle
RSPEC00301	Nicotinic Acid Absorbance/ Transmission Standard	24mg/l	100ml Amber Bottle



Wavelength Standards (certified at 0.1nm, 0.2nm, 0.5nm, 1.0nm, 2.0nm and 5nm slit widths)

Product No.	Description	Nominal Peak Wavelengths (0.2nm Slit Width)	Packed in
RSPEC0001	Didymium Solution UV and Visible Wavelength Standard 298nm to 865nm	298nm, 328.8nm, 353.8nm, 443.8nm, 468.5nm, 481.3nm, 511.5nm, 521.6nm, 574.8nm, 731.4nm, 739.6nm, 794nm, 801.1nm, 865nm	1 x Permanently Sealed UV Cuvette
RSPEC0008	Samarium Solution UV and Visible Wavelength Standard 235nm to 480nm	235nm, 278.8nm, 290.1nm, 305.2nm, 317.4nm, 331.6nm, 344.4nm, 362.2nm, 374.1nm, 390.4nm, 401.1nm, 415.3nm, 463.4nm, 478.6nm	1 x Permanently Sealed UV Cuvette
RSPEC0015	Holmium Oxide Solution UV and Visible Wavelength Standard 240nm to 640nm	240.8nm, 249.6nm, 278nm, 286.8nm, 333nm, 345.4nm, 361.1nm, 385.2nm, 416nm, 451.8nm, 467.6nm, 485nm, 536.3nm, 640.2nm	1 x Permanently Sealed UV Cuvette
RSPEC00011	Didymium Solution UV and Visible Wavelength Standard 298nm to 865nm	298nm, 328.8nm, 353.8nm, 443.8nm, 468.5nm, 481.3nm, 511.5nm, 521.6nm, 574.8nm, 731.4nm, 739.6nm, 794nm, 801.1nm, 865nm	100ml Amber Bottle
RSPEC00081	Samarium Solution UV and Visible Wavelength Standard 235nm to 480nm	235nm, 278.8nm, 290.1nm, 305.2nm, 317.4nm, 331.6nm, 344.4nm, 362.2nm, 374.1nm, 390.4nm, 401.1nm, 415.3nm, 463.4nm, 478.6nm	100ml Amber Bottle
RSPEC00151	Holmium Oxide Solution UV and Visible Wavelength Standard 240nm to 640nm	240.8nm, 249.6nm, 278nm, 286.8nm, 333nm, 345.4nm, 361.1nm, 385.2nm, 416nm, 451.8nm, 467.6nm, 485nm, 536.3nm, 640.2nm	100ml Amber Bottle

Stray Light Standards

Blank is provided free of charge with each product no. from RSPEC0036 to RSPEC0041 inclusive.

Product No.	Description	Cut Off	Packed in
RSPEC0036	Stray Light Inorganic Cut-off filter – Sodium Nitrite	390nm	5 x Permanently Sealed UV Cuvettes
RSPEC0037	Stray Light Inorganic Cut-off filter – Potassium Iodide	260nm	1 x Permanently Sealed UV Cuvette
RSPEC0038	Stray Light Inorganic Cut-off filter – Sodium Iodide	260nm	1 x Permanently Sealed UV Cuvette
RSPEC0039	Stray Light Inorganic Cut-off filter – Lithium Carbonate	227nm	1 x Permanently Sealed UV Cuvette
RSPEC0040	Stray Light Inorganic Cut-off filter – Sodium Chloride	205nm	1 x Permanently Sealed UV Cuvette
RSPEC0041	Stray Light Inorganic Cut-off filter – Potassium chloride	200nm	1 x Permanently Sealed UV Cuvette
RSPEC00541	Stray Light Blank – Aqueous		100ml Amber Bottle
RSPEC00361	Stray Light Inorganic Cut-off filter – Sodium Nitrite	390nm	100ml Amber Bottle
RSPEC00371	Stray Light Inorganic Cut-off filter – Potassium Iodide	260nm	100ml Amber Bottle
RSPEC00381	Stray Light Inorganic Cut-off filter – Sodium Iodide	260nm	100ml Amber Bottle
RSPEC00391	Stray Light Inorganic Cut-off filter – Lithium Carbonate	227nm	100ml Amber Bottle
RSPEC00401	Stray Light Inorganic Cut-off filter – Sodium Chloride	205nm	100ml Amber Bottle
RSPEC00411	Stray Light Inorganic Cut-off filter – Potassium Chloride	200nm	100ml Amber Bottle

Bandwidth Standard

Blank is provided free of charge with each product no. from RSPEC0031 to RSPEC00531 inclusive.

Product No.	Description	Certified Value	Packed in
RSPEC1031	Toluene in Hexane Bandwidth Standard With Blank in Sealed Cuvettes	Ratio of 268.7nm peak to 266.8nm trough	2 x Permanently sealed UV Cuvettes
RSPEC0031	Bandwidth Standard –Toluene in Hexane	Ratio of 268.7nm peak to 266.8nm trough	1 x Permanently Cuvette Sealed UV
RSPEC00311	Bandwidth Standard –Toluene in Hexane	Ratio of 268.7nm peak to 266.8nm trough	100ml Amber Bottle
RSPEC00531	Bandwidth Standard – Blank	Ratio of 268.7nm peak to 266.8nm trough	100ml Amber Bottle

Colour Standards

Why use Reagecons Colour Standards?

Commercial Benefits

- For use as calibration and/or quality control standards
- Presented in high quality tamper evident bottles
- Customised standards available
- 100ml & 500ml pack sizes available
- Ready to Use

Technical Benefits

- Produced in accordance with ASTM methods (D1500, D6045, D1209)
- Consistency of product –Independent, Traceable, Certified
- Certificates of Analysis and Safety Data Sheets available online

Reagecon manufactures the full range of ASTM, Saybolt, Platinum-Cobalt and Gardener Colour Standards for use with ASTM and APHA standard methods including D1500, D6045, and D1209. The products can be used to calibrate, control, verify and validate colour measurement instruments.

The products range from:

ASTM Colour Standard Sample A1- A7
 Saybolt Colour Standards S+30 to S-15
 Platinum-Cobalt Scale No. 0 – No. 500
 Gardener Colour Standards GARD02 - GARD16

These products are prepared gravimetrically on a weight/weight basis. Both solute and solvent are weighed on a balance calibrated by Reagecon engineers using OIML traceable weights. Reagecon holds ISO 17025 accreditation for calibration of non-automatic weighing machines (INAB ref: 265C). The resulting Balance Certificate of Calibration is issued in accordance with the requirements of ISO/IEC 17025. The concentration of each standard is verified using a high performance top of the range calibrated spectrophotometer. The calibration of the spectrophotometer is completed using high purity ISO Guide 34 accredited spectrophotometric standards.



ASTM Colour Standards

Product No.	Description	Colour	US EPA Methods	Pack Size
ASTMA101	ASTM Colour Standard Sample A1	1	D6045, D1500	100 ml
ASTMA105	ASTM Colour Standard Sample A1	1	D6045, D1500	500 ml
ASTMA301	ASTM Colour Standard Sample A3	3	D6045, D1500	100 ml
ASTMA305	ASTM Colour Standard Sample A3	3	D6045, D1500	500 ml
ASTMA501	ASTM Colour Standard Sample A5	5	D6045, D1500	100 ml
ASTMA505	ASTM Colour Standard Sample A5	5	D6045, D1500	500 ml
ASTMA701	ASTM Colour Standard Sample A7	7	D6045, D1500	100 ml
ASTMA705	ASTM Colour Standard Sample A7	7	D6045, D1500	500 ml

Saybolt Colour Standards

Product No.	Description	Colour	US EPA Methods	Pack Size
SAYP301	Saybolt Colour +30	S+30	D6045	100 ml
SAYP305	Saybolt Colour +30	S+30	D6045	500 ml
SAYP251	Saybolt Colour +25	S+25	D6045	100 ml
SAYP255	Saybolt Colour +25	S+25	D6045	500 ml
SAYP191	Saybolt Colour +19	S+19	D6045	100 ml
SAYP195	Saybolt Colour +19	S+19	D6045	500 ml
SAYP151	Saybolt Colour +15	S+15	D6045	100 ml
SAYP155	Saybolt Colour +15	S+15	D6045	500 ml
SAYP121	Saybolt Colour +12	S+12	D6045	100 ml
SAYP125	Saybolt Colour +12	S+12	D6045	500 ml
SAYP01	Saybolt Colour +0	S0	D6045	100 ml
SAYP05	Saybolt Colour +0	S0	D6045	500 ml
SAYN151	Saybolt Colour -15	S-15	D6045	100 ml
SAYN155	Saybolt Colour -15	S-15	D6045	500 ml

Platinum-Cobalt Colour Standards *

Product No.	Description	Colour	US EPA Methods	Pack Size
HAZ0	Platinum-Cobalt Colour 0	0	D1209	1000 ml
HAZ10	Platinum-Cobalt Colour 10	10	D1209	1000 ml
HAZ25	Platinum-Cobalt Colour 25	25	D1209	1000 ml
HAZ40	Platinum-Cobalt Colour 40	40	D1209	1000 ml
HAZ50	Platinum-Cobalt Colour 50	50	D1209	1000 ml
HAZ80	Platinum-Cobalt Colour 80	80	D1209	1000 ml
HAZ100	Platinum-Cobalt Colour 100	100	D1209	1000 ml
HAZ250	Platinum-Cobalt Colour 250	250	D1209	1000 ml
HAZ500	Platinum -Cobalt Colour 500	500	D1209	1000 ml

* Standards with intermediate Platinum-Cobalt values are available on request

Gardner Colour Standards *

Product No.	Description	Colour	US EPA Methods	Pack Size
GARD02	Gardner Colour 2	2	D6166	1000ml
GARD04	Gardner Colour 4	4	D6166	1000ml
GARD06	Gardner Colour 6	6	D6166	1000ml
GARD08	Gardner Colour 8	8	D6166	1000ml
GARD10	Gardner Colour 10	10	D6166	1000ml
GARD12	Gardner Colour 12	12	D6166	1000ml
GARD14	Gardner Colour 14	14	D6166	1000ml
GARD16	Gardner Colour 16	16	D6166	1000ml


* Standards with intermediate Gardner values are available on request

Conductivity Standards

These solutions standardised at 25°C are directly traceable to N.I.S.T standard reference materials and are tested using an ISO 17025 accredited method.

Reagecon's Conductivity Standards have an accuracy of $\pm 1.0\%$ (except 1.3 μ S) and their shelf-life is valid regardless of when the bottle is first opened, provided good laboratory practice is adhered to. All of Reagecon's Conductivity Standards are aqueous and so avoid the problems of matrix errors and high temperature dependency of non-aqueous conductivity standards. This range includes 1.3 μ S $\pm 0.5\mu$ S – the lowest aqueous conductivity standard available worldwide.

Temperature dependence data, lot no. and expiry date are printed on all product labels.

Reagecon 

Certificate of Analysis

Conductivity standard solution
10 μ S/cm@25°C

Product No:	CSKC10
Lot No:	CS104H1
Expiry date:	13/2/2005

Mean specific conductance:	9.99 μS/cm @25°C
Date of measurement:	11/8/2004

Assay Limits:
9.90 - 10.10 μ S/cm @25°C

Method:
Measurement taken by comparison with standard prepared from National Institute of Standards and Technology (USA), Standard Reference Material 999 (Potassium Chloride). Electrode used for measurement: Platinumised Platinum Dip Cell. Reference: ASTM D-1125 (1995) method A. Temperature coefficient of variation: 2.084% / °C between (0-50°C). Reagecon Diagnostics Ltd. is accredited by the Irish National Accreditation Board, under scope 0127, for the test method, TPCOND, used in the determination of this product.

This certificate relates solely to the lot number given above. The uncertainty of measurement has been calculated not to exceed $\pm 1\%$ at 95% confidence level, k=2

Products are manufactured under an ISO registered 15 EN ISO9001:2000 Quality System, registration no: 18.2769

Date of issue of the certificate	12/8/2004
Quality manager:	<i>Maeve Reddann</i> Maeve Reddann

Complementary information relative to this product is available at www.reagecon.com
Page 1 of 1. This Certificate must not be reproduced except in full. Rev D

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Tel +353 61 472522, Fax +353 61 472542
Email: sales@reagecon.ie, www.reagecon.com

Conductivity Standards

Product No.	Description	Temperature	Pack size
CSKC13	1.30 microsiemens/cm	25°C	250ml
CSKC136	1.30 microsiemens/cm	25°C	6x250ml
CSKC3	3 microsiemens/cm	25°C	250ml
CSKC5	5 microsiemens/cm	25°C	500ml
CSKC10	10 microsiemens/cm	25°C	500ml
CSKC20	20 microsiemens/cm	25°C	500ml
CSKC238	23.8 microsiemens/cm	25°C	500ml
CSKC25	25 microsiemens/cm	25°C	500ml
CSKC50	50 microsiemens/cm	25°C	500ml
CSKC84	84 microsiemens/cm	25°C	500ml
CSKC100	100 microsiemens/cm	25°C	500ml
CSKCS	147 microsiemens/cm	25°C	500ml
CSKC150	150 microsiemens/cm	25°C	500ml
CSKC185	185 microsiemens/cm	25°C	500ml
CSKC200	200 microsiemens/cm	25°C	500ml
CSKC250	250 microsiemens/cm	25°C	500ml
CSKC300	300 microsiemens/cm	25°C	500ml
CSKC400	400 microsiemens/cm	25°C	500ml
CSKC500	500 microsiemens/cm	25°C	500ml
CSKC718	718 microsiemens/cm	25°C	500ml
CSKC1000	1000 microsiemens/cm	25°C	500ml
CSKCL	1413 microsiemens/cm	25°C	500ml
CSKC2M	2000 microsiemens/cm	25°C	500ml
CSKC2500	2500 microsiemens/cm	25°C	500ml
CSKC3M	3000 microsiemens/cm	25°C	500ml
CSKC5M	5,000 microsiemens/cm	25°C	500ml
CSKC7M	7,000 microsiemens/cm	25°C	500ml
CSKC10M	10,000 microsiemens/cm	25°C	500ml
CSKC12880	12,880 microsiemens/cm	25°C	500ml
CSKC20M	20,000 microsiemens/cm	25°C	500ml
CSKC30M	30,000 microsiemens/cm	25°C	500ml
CSKC40M	40,000 microsiemens/cm	25°C	500ml
CSKC50M	50,000 microsiemens/cm	25°C	500ml
CSKC60M	60,000 microsiemens/cm	25°C	500ml
CSKC80M	80,000 microsiemens/cm	25°C	500ml
CSKC100M	100,000 microsiemens/cm	25°C	500ml
CSKC111800	111,800 microsiemens/cm	25°C	500ml
CSKC150M	150,000 microsiemens/cm	25°C	500ml
CSKC200M	200,000 microsiemens/cm	25°C	500ml
CSKC300M	300,000 microsiemens/cm	25°C	500ml
CSKC350M	350,000 microsiemens/cm	25°C	500ml
CSKC400M	400,000 microsiemens/cm	25°C	500ml
CSKC450M	450,000 microsiemens/cm	25°C	500ml
CSKC500M	500,000 microsiemens/cm	25°C	500ml

pH Buffer Solutions



Reagecon manufactures the most comprehensive range of pH reagents in Europe which are designed to suit all end user requirements. These include laboratory grade buffers, professional range (buffer standards as per N.I.S.T / DIN and high resolution buffers), low ionic strength buffers and buffer capsules. They are manufactured to exacting specifications with an extended shelf life and cover the pH range of pH 1.00 to pH 13.00 inclusive. All

are supplied with a detailed Certificate of Analysis which outlines traceability to N.I.S.T (the N.I.S.T SRMs Lot No. is stated on the certificate). Temperature dependence data is printed on the label as are lot numbers and expiry dates.

Detailed product numbers, descriptions, specifications and ordering information can be obtained in our laboratory reagents catalogue or at www.reagecon.com.

We are now pleased to announce the launch of two ranges of speciality pH buffers. The first of these is a range of buffers for calibrating antimony or equivalent electrodes for intra-gastric analysis. The other is a range of three decimal place, high performance, high accuracy, colour coded even integer buffers.

pH Buffers for use with Antimony or equivalent electrodes

Product No.	Description	Specification	Temperature	Pack size
10725025	Buffer Solution pH 1.07 - Colourless	±0.05	@ 25°C	250ml
401025P	Buffer Solution pH 4.00 - Light Red	±0.05	@ 25°C	250ml
70125025	Buffer Solution pH 7.01 - Yellow	±0.05	@ 25°C	250ml
10725050	Buffer Solution pH 1.07 - Colourless	±0.05	@ 25°C	500ml
40102550	Buffer Solution pH 4.00 - Light Red	±0.05	@ 25°C	500ml
70125050	Buffer Solution pH 7.01 - Yellow	±0.05	@ 25°C	500ml

High Resolution Buffers - Colour Coded

Product No.	Description	Specification	Temperature	Pack size
104000C	Buffer pH 4.000 - Red	±0.010	@ 20°C	500ml
107000C	Buffer pH 7.000 - Yellow	±0.010	@ 20°C	500ml
110000C	Buffer pH 10.000 - Blue	±0.010	@ 20°C	500ml
H40525C	Buffer pH 4.000 - Red	±0.010	@ 25°C	500ml
H70525C	Buffer pH 7.000 - Yellow	±0.010	@ 25°C	500ml
H100525C	Buffer pH 10.000 - Blue	±0.010	@ 25°C	500ml

TOC/TIC Standards

Why use Reagecons TOC/TIC Standards?

Commercial Benefits

- Can be used with any brand of TOC analyser.
- Extensive range (TOC + TIC (<500ppb – 50mg/L))
- Presented in single-use glass vials
- Extended shelf life
- Ready to Use
- Raw materials sourced from USP or NIST

Technical Benefits

- In accordance with USP <643> guidelines
- Consistency of product - Independent, Traceable, Certified.
- Certificates of Analysis and Safety Data Sheets available online.

Reagecon manufactures a range of Total Organic Carbon (TOC) and Total Inorganic Carbon (TIC) Standards for ease of use when calibrating all types of TOC analysers, irrespective of brand. All of our TOC standards are manufactured using high purity raw materials in accordance with USP <1051> and <643> guidelines. These products are prepared gravimetrically on a weight/weight basis. Both solute (salts) and solvent (water) are weighed on a balance calibrated by Reagecon engineers using OIML traceable weights. Reagecon holds ISO 17025 accreditation for calibration of non-automatic weighing machines (INAB ref: 265C). The resulting Balance Certificate of Calibration is issued in accordance with the requirements of ISO/IEC 17025. The TOC / TIC of the standard is verified using a high performance calibrated TOC analyser. The calibration of this instrument involves the use of high purity ISO Guide 34 accredited TOC standards similar in TOC value to the products listed in the following tables, these are all in 40ml vials.



TOC/TIC Standards

Product No.	Description	Pack Size
RTOCW	USP Reagent Water Rw	35ml
RTOCRs	USP Standard Sucrose Solution Rs (0.5mg/L C)	35ml
ROCRss	USP System Suitability Solution 1, 4-Benzoquinone (0.5mg/L C)	35ml
RTOCK01	TOC Standard 0.05mg/L C as KHP	35ml
RTOCK02	TOC Standard 0.06mg/L C as KHP	35ml
RTOCK03	TOC Standard 0.07mg/L C as KHP	35ml
RTOCK04	TOC Standard 0.08mg/L C as KHP	35ml
RTOCK05	TOC Standard 0.09mg/L C as KHP	35ml
RTOCK06	TOC Standard 0.1mg/L C as KHP	35ml
RTOCK07	TOC Standard 0.25mg/L C as KHP	35ml
RTOCK08	TOC Standard 0.5mg/L C as KHP	35ml
RTOCK09	TOC Standard 1.0mg/L C as KHP	35ml
RTOCK10	TOC Standard 1.5mg/L C as KHP	35ml
RTOCK11	TOC Standard 10mg/L C as KHP	35ml
RTOCK12	TOC Standard 25mg/L C as KHP	35ml
RTOCK13	TOC Standard 50mg/L C as KHP	35ml
RTOCK14	TOC Standard 5mg/L C as KHP	35ml
RTOCK15	TOC Standard 0.25mg/L C as KHP	35ml
RTOCK16	TOC Standard 4mg/L C as KHP	35ml
RTOCK17	TOC Standard 100mg/L C as KHP	35ml
RTOCK18	TOC Standard 1,000mg/L C as KHP	35ml
RTOCK19	TOC Standard 5,000mg/L C as KHP	35ml
RTOCK20	TOC Standard 20,000mg/L C as KHP	35ml
RTICN01	TIC Standard 0.5mg/L as Na2CO3	35ml
RTICN02	TIC Standard 1.0mg/L as Na2CO3	35ml
RTICN03	TIC Standard 1.5mg/L as Na2CO3	35ml
RTICN04	TIC Standard 2mg/L as Na2CO3	35ml
RTICN05	TIC Standard 5mg/L as Na2CO3	35ml
RTICN06	TIC Standard 10mg/L as Na2CO3	35ml
RTICN07	TIC Standard 25mg/L as Na2CO3	35ml
RTICN08	TIC Standard 50mg/L as Na2CO3	35ml
RTICN09	TIC Standard 4mg/L as Na2CO3	35ml
RTOCS01	TOC Standard 0.5mg/L C as Sucrose	35ml
RTOCS02	TOC Standard 1.0mg/L C as Sucrose	35ml
RTOCS03	TOC Standard 2mg/L C as Sucrose	35ml
RTOCS04	TOC Standard 5mg/L C as Sucrose	35ml
RTOCS05	TOC Standard 10mg/L C as Sucrose	35ml
RTOCS06	TOC Standard 25mg/L C as Sucrose	35ml
RTOCS07	TOC Standard 50mg/L C as Sucrose	35ml
RTOCS08	TOC Standard 0.25mg/L C as Sucrose	35ml
RTOCS09	TOC Standard 0.75mg/L C as Sucrose	35ml
RTOCS10	TOC Standard 4mg/L C as Sucrose	35ml
RTOCS11	TOC Standard 500mg/L C as Sucrose	35ml

Product No.	Description	Pack Size
RTOCN01	TOC Standard 50mg/L C as Nicotinamide	35ml
RTOCN02	TOC Standard 0.5mg/L C as Nicotinamide	35ml
RTOCM01	TOC Standard 0.5mg/L C as Methanol	35ml
RTOCWa	USP Reagent Water Rw acidified with HCl	35ml
RTOCRsa	USP Standard Sucrose Solution Rs (0.5mg/L C) acidified with HCl	
RTOCRssa	USP System Suitability Solution 1, 4-Benzoquinone (0.5mg/L C) acidified with HCl	35ml
RTOCUSP1	USP System Suitability Set consisting of 1 x 40ml vial of Reagent Water (RTOCW), Standard Solution (RTOCRs) and Suitability Solution (RTOCRss)	3 x 35ml
RTOCUSP2	2 x USP System Suitability Set consisting of 1 x 40ml vial of Reagent Water (RTOCW), Standard Solution (RTOCRs) and Suitability Solution (RTOCRss) Delivered at six month intervals	3 x 35ml
RTOCUSP4	4 x USP System Suitability Sets, consisting of: 1 x 40ml vial of Reagent Water (RTOCW), Standard Solution (RTOCRs) and Suitability Solution (RTOCRss) Delivered at three month intervals	3 x 35ml
RTOCUSP12	12 x (USP System Suitability Set consisting of 1 x 40ml vial of Reagent Water (RTOCW), Standard Solution (RTOCRs) and Suitability Solution (RTOCRss) Delivered at monthly intervals	3 x 35ml
RTOCUSP52	52 x (USP System Suitability Set consisting of 1 x 40ml vial of Reagent Water (RTOCW), Standard Solution (RTOCRs) and Suitability Solution (RTOCRss) Delivered at 2 weekly intervals	3 x 35ml
RTOCUSP260	260 x USP System Suitability Set consisting of 1 x 40ml vial of Reagent Water (RTOCW), Standard Solution (RTOCRs) and Suitability Solution (RTOCRss) Delivered at 2 weekly intervals	3 x 35ml
RC120001	Carbon Calibration Set 1-50mg/L C consisting of 1 x 40ml vial each of calibration blank (RTOCW), TOC Standards 1(RTOCK09), 5 (RTOCK14), 10 (RTOCK11), 25 (RTOCK12), 50 (RTOCK13) mg/L C as KHP, TIC Standards 1mg/L (RTICN02), 5mg/L (RTICN05), 10mg/L (RTICN06), 25mg/L (RTICN07) ,50mg/L (RTICN08) C as Na2CO3	11 x 35ml
RC120002	1mg C/L Carbon Standard Set consisting of 1 x 40ml vial each of calibration blank (RTOCW), 1mg/L (RTOCK09) C TOC as KHP and 1 mg/L (RTICN02) C TIC as Na2CO3	3 x 35ml
RC120003	1mg C/L Carbon Verification Set consisting of 1 x 40ml vial each of calibration blank (RTOCW), 1mg/L (RTOCS02) C TOC as Sucrose and 1 mg/L (RTICN02) C TIC as Na2CO3	3 x 35ml
RC120004	1mg C/L Carbon Standard Set and Verification Set consisting of 1 x RC120002 and 1 x RC120003	6 x 35ml
RC120005	5mg C/L Carbon Standard Set consisting of 1 x 40ml vial each of calibration blank (RTOCW), 5mg/L (RTOCK14) C TOC as KHP and 5 mg/L (RTICN05) C TIC as Na2CO3	3 x 35ml
RC120006	5mg C/L Carbon Verification Set consisting of 1 x 40ml vial each of calibration blank (RTOCW), 5mg/L (RTOCS04) TOC C as Sucrose and 5 mg/L (RTICN05) TIC C as Na2CO3	3 x 35ml

Product No.	Description	Pack Size
RC120007	5mg C/L Carbon Standard and Verification Set consisting of 1 x RC120005 and 1 x RC120006	6 x 35ml
RC120008	0.5mg/L Carbon Verification Set consisting of 1 x 40ml vial each of calibration blank (RTOCW), 0.5mg/L (RTOCS01) TOC C as Sucrose and 0.5mg/L (RTICN01) TIC C as Na2CO3	3 x 35ml
RC120009	1mg/L Carbon Standard and 0.5mg/L Carbon Verification Set Consisting of 1 x RC120002 and 1 x RC120008	6 x 35ml
RC120010	Validation Set -- Accuracy Precision (0.5mg), consisting of 1 x Reagent water (RTOCW) and 1 x 0.5mg/L C as sucrose (RTOCS01) in 40ml Vials	2 x 35ml
RC120011	Validation Set -- Linearity, consisting of 1x Reagent water blank (RTOCW) and 1 each of 0.25mg/L (RTOCS08), 0.5mg/L (RTOCS01), 0.75mg/L (RTOCS09),C as Sucrose in 40ml vials	4 x 35ml
RC120012	Validation Set -- Specificity, consisting of 1 x Reagent water (RTOCW), 1 x 0.5mg/L (RTOCM01) C as Methanol, 1 x 0.5mg/L (RTOCN02) C as Nicotinamide and 1 x 0.5mg/L (RTOCK01) C as KHP in 40ml vials	4 x 35ml
RC120013	Validation Set -- Robustness Standards, consisting of 1 x Reagent water (RTOCWa), 1 x Standard Solution (RTOCRsa), 1 x System suitability solution (RTOCRssa) in 40ml vials. All standards in the set acidified	3 x 35ml
RC120014	Validation Set -- Complete , consisting of 1xRC120010, 1xRC120011, RC120012 and RC120013	13 x 35ml
RC120015	10mg C/L Carbon Standard Set consisting of 1 x 40ml vial each of calibration blank (RTOCW), 10mg/L (RTOCK11) TOC C as KHP and 10mg/L (RTICN06) TIC C as Na2CO3	3 x 35ml
RC120016	Multipoint calibration set for Sievers 5310C, consisting of 1 x calibration blank (RTOCW), 1 each of 0.25mg/L (RTOCK15), 1mg/L (RTOCK09), 5mg/L (RTOCK14), 25mg/L (RTOCK12), 50mg/L (RTOCK13) C as KHP TOC standards and 1 each of 1mg/L (RTICN02), 5mg/L (RTICN05), 10mg/L (RTICN06), 25mg/L (RTICN07), 50mg/L (RTICN08) C as Na2CO3 TIC standards	11 x 35ml
RC120017	2mg C/L Carbon Verification Set consisting of 1 x 40ml vial each of calibration blank (RTOCW), 2mg/L (RTOCS03) TOC C as Sucrose and 2mg/L (RTICN04) TIC C as Na2CO3	3 x 35ml
RC120018	10mg C/L Carbon Verification Set consisting of 1 x 40ml vial each of calibration blank (RTOCW), 10mg/L (RTOCS05) TOC C as Sucrose and 10mg/L (RTICN06) TIC C as Na2CO3	3 x 35ml
RC120019	3 point Carbon Verification Set consisting of 1 x 40ml Vial each of 1mg/L (RTOCK09), 5mg/L (RTOCK14), 10mg/L (RTOCK11) C as KHP	3 x 35ml
RC120020	Ultra low TOC Standard Set consisting of 1 x 40ml Vial each of .05mg/L (RTOCK01),.06mg/L (RTOCK02), .07mg/L (RTOCK03), .08mg/L (RTOCK04), .09mg/L (RTOCK05) 0.10mg/L (RTOCK06), 0.25mg/L (RTOCK07), 0.5mg/L (RTOCK08), 1.0mg/L (RTOCK09) C as KHP	9 x 35ml

Analyst Qualification Set



Why use An Analyst Qualification Set?

Commercial Benefits

- Proof of competence for individual analysts
- Extensive range of test materials available
- More cost effective than Laboratory based Proficiency Schemes
- Enhanced audit compliance
- Ready to Use

Technical Benefits

- Uncertainty of measurement clearly defined
- NIST Traceable where applicable
- Consistency of product - Independent, Traceable, Certified.
- Certificates of Analysis and Safety Data Sheets available online

Traditionally laboratories have used Proficiency Schemes to provide evidence of their competence. Now with tightening audit requirements auditors from compliance and accreditation bodies are increasingly asking for evidence that each analyst in a laboratory is competent to carry out individual analytical tests. Proficiency Schemes are not a cost effective way of meeting this requirement and method witnessing or working with known samples are of limited value.

Reagecon now provides a new approach to proving analyst competency for a range of common laboratory tests. We will provide a set of unknown samples (detailed below) with password protected, on-line access to our ISO 17025 accredited test results of the samples. This allows Laboratory Managers to provide their analysts with “blind” samples and to cost effectively assess the competency of each individual analyst on a specific test. The assurance provided by the use of blind samples and independent ISO 17025 accredited testing in turn allows the Laboratory Manager to meet all external auditors’ “proof of competency” requirements.

The unknown samples in the Reagecon range are prepared gravimetrically on a weight/weight basis from high purity raw materials. Both solute and solvent are weighed on a balance calibrated by Reagecon engineers using OIML traceable weights. Reagecon holds ISO 17025 accreditation for calibration of non-automatic weighing machines (INAB ref: 265C). The resulting Balance Certificate of Calibration is issued in accordance with the requirements of ISO/IEC 17025.

Test Materials (choose any six to make a set)

Product No.	Description	Concentration	Pack Size
AQSPH001	Low Range pH @ 20°C	pH range 1 to 5	250ml
AQSPH002	Medium Range pH @ 20°C	pH range 5.1 to 8	250ml
AQSPH003	High Range pH @ 20°C	pH range 8.1 to 11	250ml
AQSPH004	Low Range pH @ 25°C	pH range 1 to 5	250ml
AQSPH005	Medium Range pH @ 25°C	pH range 5.1 to 8	250ml
AQSPH006	High Range pH @ 25°C	pH range 8.1 to 11	250ml
AQSCL001	Chloride Content Low	Chloride range 0.01M to 0.49M	250ml
AQSCL002	Chloride Content Medium	Chloride Range 0.5M to 1.9M	250ml
AQSCL003	Chloride Content High	Chloride Range 2.0M to 4.0M	250ml
AQSA001	Acid Content Low	Acid Range 0.025M to 0.5M	250ml
AQSA002	Acid Content Medium	Acid Range 1.0M to 2.9M	250ml
AQSA003	Acid Content High	Acid Range 3.0M to 10M	250ml
AQSB001	Base Content Low	Base Range 0.05M to 0.99M	250ml
AQSB001	BaseContent Medium	Base Range 1.0M to 3.0M	250ml
AQSB001	Base Content High	Base Range 3.1M to 10M	250ml
AQSCON001	Conductivity Ultra Low	Conductivity Range 1.1uS/cm to 50uS/cm	250ml
AQSCON002	Conductivity Low	Conductivity Range 80uS/cm to 1,000uS/cm	250ml
AQSCON003	Conductivity Medium	Conductivity Range 1,100uS/cm to 10,000uS/cm	250ml
AQSCON004	Conductivity High	Conductivity Range 100,000uS/cm to 500,000uS/cm	250ml
AQSDEN001	Density @ 20C Low	Density Range 0.7g/ml to 0.95g/ml	250ml
AQSDEN002	Density @ 20C High	Density Range 1.1g/ml to 2.8g/ml	250ml
AQSBRIX001	Brix Low	Brix Range 5° to 19°	15ml
AQSBRIX002	Brix Medium	Brix Range 20° to 34°	15ml
AQSBRIX003	Brix High	Brix Range 35° to 60°	15ml
AQSOSM001	Osmolality Low	Osmolality Range 50mOsm/kg to 350mOsm/kg	5ml
AQSOSM002	Osmolality Medium	Osmolality Range 351mOsm/kg to 999mOsm/kg	5ml
AQSOSM003	Osmolality High	Osmolality Range 1,000mOsm/kg to 3,000mOsm/kg	5ml
AQSTOC001	TOC Ultra Low	TOC Range 0.5ppm to 10ppm	35ml
AQSTOC002	TOC Low	TOC Range 11ppm to 100ppm	35ml
AQSTOC003	TOC Medium	TOC Range 101ppm to 500ppm	35ml
AQSMP001	Melting Point	Melting point Range 40°C to 240°C	1g
AQSICP001	ICP – Basic (7 Elements)	Concentration Range 1ppm to 1,000ppm	100ml
AQSICP002	ICP – Multi-Element (19 Elements)	Concentration Range 1ppm to 1,000ppm	100ml

Dissolution Media Concentrates



Why Use Dissolution Media Concentrates?

Commercial Benefits

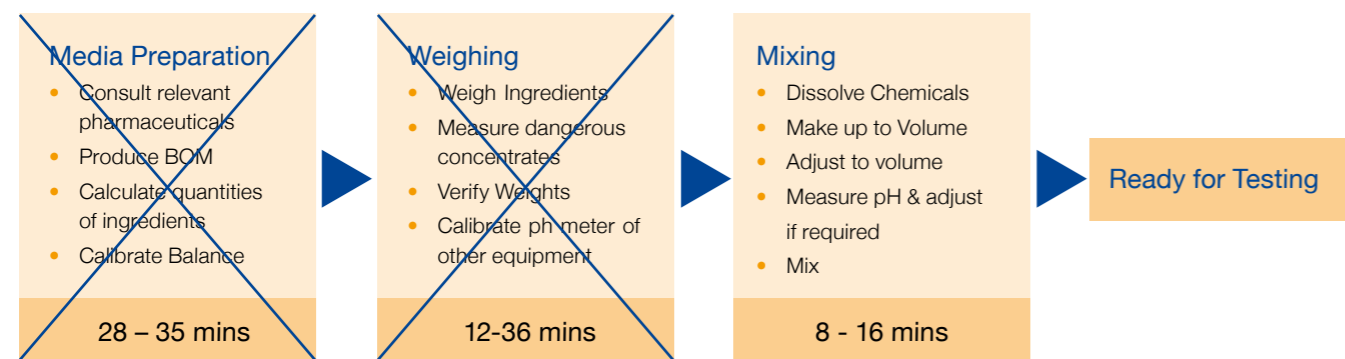
- Reduce preparation time
- Free up resources for core activities
- Save valuable bench space

Technical Benefits

- Consistency of product
- Full regulatory & labelling compliance
- Certificates of Analysis & Safety Data Sheets available online

Reagecon - has added a new range of Dissolution Media Concentrates to its manufactured product portfolio.

With Reagecons dissolution media concentrates you take out all preparation steps up to the final mixing, simply add purified water and mix, allowing you to run your dissolution test without delay and at a reduced cost.



Save valuable time per batch!

Allow Reagecon to offer you major savings and improved efficiencies in your dissolution testing by having products which are:-

- Prepared according to relevant pharmacopoeia requirements.
- Without deviations on materials and methodology from pharmacopoeia.
- Guaranteed Accuracy and Stability
- 2 year Shelf Life
- Certificates of Analysis and Safety Data Sheets available online.
- Consistency of Product, Independent, Traceable, Certified.

Product No.	Compliant Pharm	Concentration	Pack Size
Potassium Phosphate pH 5.8			
DBC01-230	USP & Ph.Eur.	230.8ml of conc. dilutes to 6L	12 x 250ml concentrates
DBC01-250	USP & Ph.Eur.	250ml of conc. dilutes to 10L	12 x 250ml concentrates
DBC01-960	USP & Ph.Eur.	961.5ml of Conc. dilutes 25L	6 x 1L concentrates
Potassium Phosphate pH 6.0			
DBC02-230	USP & Ph.Eur.	230.8ml of conc. dilutes to 6L	12 x 250ml concentrates
DBC02-250	USP & Ph.Eur.	250ml of conc. dilutes to 10L	12 x 250ml concentrates
DBC02-960	USP & Ph.Eur.	961.5ml of Conc. dilutes 25L	6 x 1L concentrates
Potassium Phosphate pH 6.8			
DBC03-230	USP & Ph.Eur.	230.8ml of conc. dilutes to 6L	12 x 250ml concentrates
DBC03-250	USP & Ph.Eur.	250ml of conc. dilutes to 10L	12 x 250ml concentrates
DBC03-960	USP & Ph.Eur.	961.5ml of Conc. dilutes 25L	6 x 1L concentrates
Potassium Phosphate pH 7.2			
DBC04-230	USP & Ph.Eur.	230.8ml of conc. dilutes to 6L	12 x 250ml concentrates
DBC04-250	USP & Ph.Eur.	250ml of conc. dilutes to 10L	12 x 250ml concentrates
DBC04-960	USP & Ph.Eur.	961.5ml of Conc. dilutes 25L	6 x 1L concentrates
Potassium Phosphate pH 7.5			
DBC05-230	USP & Ph.Eur.	230.8ml of conc. dilutes to 6L	12 x 250ml concentrates
DBC05-250	USP & Ph.Eur.	250ml of conc. dilutes to 10L	12 x 250ml concentrates
DBC05-960	USP & Ph.Eur.	961.5ml of Conc. dilutes 25L	6 x 1L concentrates
Acetate Buffer pH 4.5			
DBC06-230	USP & Ph.Eur.	230.8ml of conc. dilutes to 6L	12 x 250ml concentrates
DBC06-250	USP & Ph.Eur.	250ml of conc. dilutes to 10L	12 x 250ml concentrates
DBC06-960	USP & Ph.Eur.	961.5ml of Conc. dilutes 25L	6 x 1L concentrates
*Sodium Lauryl Sulphate 0.50%			
DBC07-400	USP	400ml of conc.dilutes to 6L	500ml
DBC07-500	USP	500ml of conc. Dilutes to 10L	500ml
Potassium Phosphate pH 7.4			
DBC08-230	USP & Ph.Eur.	230.8ml of conc. dilutes to 6L	12 x 250ml concentrates
DBC08-250	USP & Ph.Eur.	250ml of conc. dilutes to 10L	12 x 250ml concentrates
DBC08-960	USP & Ph.Eur.	961.5ml of Conc. dilutes 25L	6 x 1L concentrates
Sodium Phosphate pH6.8			
DBC09-230	USP	230.8ml of conc. dilutes to 6L	12 x 250ml concentrates
DBC09-250	USP	250ml of conc. dilutes to 10L	12 x 250ml concentrates
DBC09-960	USP	961.5ml of Conc. dilutes 25L	6 x 1L concentrates
Hydrochloric Acid 0.01N			
DBC10-230	USP & Ph.Eur.	230.8ml of conc. dilutes to 6L	12 x 250ml concentrates
DBC10-250	USP & Ph.Eur.	250ml of conc. dilutes to 10L	12 x 250ml concentrates
DBC10-960	USP & Ph.Eur.	961.5ml of Conc. dilutes 25L	6 x 1L concentrates
Hydrochloric Acid 0.1N			
DBC11-230	USP & Ph.Eur.	230.8ml of conc. dilutes to 6L	12 x 250ml concentrates
DBC11-250	USP & Ph.Eur.	250ml of conc. dilutes to 10L	12 x 250ml concentrates
DBC11-960	USP & Ph.Eur.	961.5ml of Conc. dilutes 25L	6 x 1L concentrates

Ready To Use Dissolution Media



Why Use Ready to Use Dissolution Media?

Commercial Benefits

- Reduce preparation time
- Free up resources for core activities
- Save valuable bench space

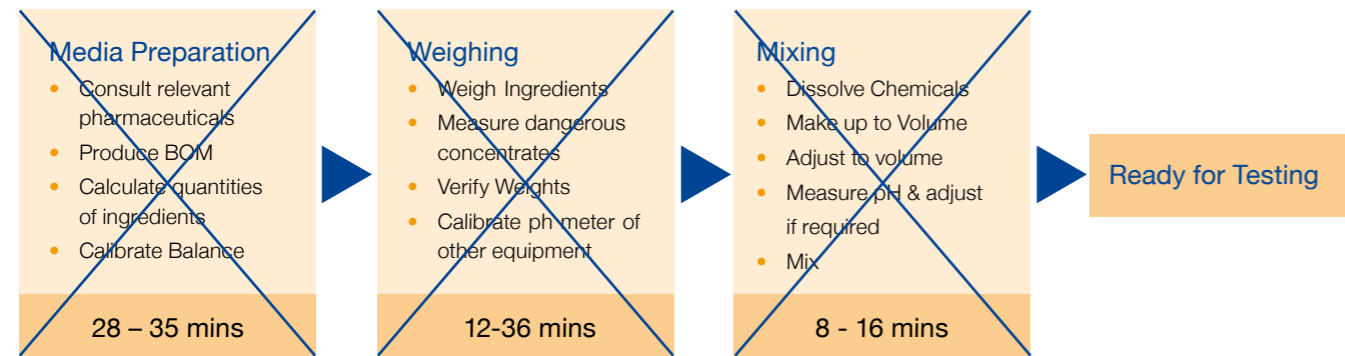
Technical Benefits

- Consistency of product
- Full regulatory & labelling compliance
- Certificates of Analysis & Safety Data Sheets available online

Product No.	Product Description	Compliant Pharmacopoeia	Pack Size
DB10-121	Hydrochloric Acid 0.01N,	USP & Ph.Eur.	12 x 1L
DB11-121	Hydrochloric Acid 0.1N,	USP & Ph.Eur.	12 x 1L
DB06-121	Acetate Buffer pH 4.5,	USP & Ph.Eur.	12 x 1L
DB01-121	Potassium Phosphate pH 5.8	USP & Ph.Eur.	12 x 1L
DB02-121	Potassium Phosphate pH 6.0,	USP & Ph.Eur.	12 x 1L
DB03-121	Potassium Phosphate pH 6.8, R	USP & Ph.Eur.	12 x 1L
DB04-121	Potassium Phosphate pH 7.2,	USP & Ph.Eur.	12 x 1L
DB08-121	Potassium Phosphate pH 7.4,	USP & Ph.Eur.	12 x 1L
DB07-121	Sodium Lauryl Sulphate 0.50%,	USP	12 x 1L
DB12-121	Simulated Gastric Fluid, without enzyme,	USP & Ph.Eur.	12 x 1L
DB13-121	Simulated Intestinal Fluid, without Enzyme,	USP & Ph.Eur.	12 x 1L
DB14-121	1st Dissolution Fluid,	JP	12 x 1L
DB15-121	2nd Dissolution Fluid,	JP	12 x 1L
DB16-121	Acetate buffer pH 5.5,	Ph.Eur.	12 x 1L
DB17-121	Acetate buffer pH 5.8,	Ph.Eur.	12 x 1L

Reagecon - has added a new range of Dissolution Media Concentrates to its manufactured product portfolio.

Reagecon's dissolution media eliminates all preparation steps allowing you to run your dissolution test without delay and at a reduced cost.



Save valuable time per batch!

Allow Reagecon to offer you major savings and improved efficiencies in your dissolution testing by having products which are:-

- Prepared according to relevant pharmacopoeia requirements.
- Without deviations on materials and methodology from pharmacopoeia.
- Guaranteed Accuracy and Stability
- 2 year Shelf Life
- Certificates of Analysis and Safety Data Sheets available online.
- Consistency of Product, Independent, Traceable, Certified.



United States Pharmacopeia (USP) Ready to Use Reagents



Why use Reagecons Pharmacopeia (USP) Ready to Use Reagents?

Commercial Benefits

- Reduce preparation time
- Free up resources for core activities
- Save valuable bench space

Technical Benefits

- Produced in accordance with EPA methods
- Consistency of product –Independent, Traceable, Certified.
- Ideal for use in EPA 500, 600 and 8000 series methods
- Compound mix REPAH008 designed specifically for use in EPA 8310 method
- Certificates of Analysis and Safety Data Sheets available online

Reagecon – is pleased to announce a new range of USP ready to use solutions. These solutions have been developed as part of our on-going Research and Development program. For USP products not listed, please contact us at sales@reagecon.ie. These USP solutions, which are not available from any other manufacturer, bring you multiple benefits that include:

- Significant reduction in the amount of time and expense required to prepare Test Solutions – “lean labs”
- Ensure consistency of products (independent, traceable Certificates of Analysis)
- Produced according to relevant Pharmacopoeia requirements – no deviation in materials or methodology
- Manufactured under controlled processes and batch certified to ensure lot-to-lot consistency and reproducibility of results

Such benefits give you the assurance and peace of mind that in house preparations cannot provide.

Product No. 100 ml	Product No. 500ml	Description
USP0101	USP0105	Acetate Buffer TS Conforms to USP 35
USP0201	USP0205	Acetic Acid, 2.00 Normal Conforms to USP 35
USP0301	USP0305	Acetic Acid-Ammonium Acetate Buffer TS Conforms to USP 35
USP0401	USP0405	Ammonia-Ammonium Chloride Buffer TS Conforms to USP 35
USP0501	USP0505	Ammoniacal Potassium Ferricyanide TS Conforms to USP 35
USP0601	USP0605	Ammonium Carbonate TS Conforms to USP 35
USP0701	USP0705	Ammonium Chloride TS Conforms to USP 35
USP0801	USP0805	Ammonium Chloride-Ammonium Hydroxide TS Conforms to USP 35
USP0901	USP0905	Ammonium Thiocyanate TS Conforms to USP 35

Product No. 100 ml	Product No. 500ml	Description
USP1001	USP1005	Barium Chloride TS/RS Conforms to USP 35
USP1101	USP1105	Barium Nitrate TS Conforms to USP 35
USP1201	USP1205	Bromate-Bromide Solution, 0.100 Normal Conforms to USP 35
USP1301	USP1305	Bromocresol Green TS Conforms to USP 35
USP1401	USP1405	Bromocresol Purple TS Conforms to USP 35
USP1501	USP1505	Bromophenol Blue TS Conforms to USP 35
USP1601	USP1605	Bromothymol Blue TS Conforms to USP 35
USP1701	USP1705	Calcium Sulfate TS Conforms to USP 35
USP1901	USP1905	Congo Red TS Conforms to USP 35
USP2001	USP2005	Cupric Acetate TS Conforms to USP 35
USP2101	USP2105	Cupric Citrate TS Conforms to USP 35
USP2201	USP2205	Cupric Sulfate TS Conforms to USP 35
USP2301	USP2305	Dichlorofluorescein TS Conforms to USP 35
USP2401	USP2405	Edetate Disodium TS Conforms to USP 35
USP2601	USP2605	Ferric Ammonium Sulfate TS Conforms to USP 35
USP2701	USP2705	Ferric Chloride TS Conforms to USP 35
USP2801	USP2805	Glycerin Base TS Conforms to USP 35
USP2901	USP2905	Hydrochloric Acid, 1.00 Normal Conforms to USP 35
USP3001	USP3005	Iodine (Iodine-Iodide), 0.100 Normal Conforms to USP 35
USP3101	USP3105	Lead Acetate TS Conforms to USP 35
USP3301	USP3305	Mercuric Chloride TS Conforms to USP 35
USP3401	USP3405	Methyl Orange Indicator Conforms to USP 35
USP3501	USP3505	Methyl Red TS 2 Conforms to USP 35
USP3601	USP3605	Methyl Red-Methylene Blue Soln Conforms to USP 35
USP3701	USP3705	Methylene Blue TS Conforms to USP 35
USP3801	USP3805	Neutral Red TS Conforms to USP 35
USP3901	USP3905	Oxalic Acid TS Conforms to USP 35
USP4001	USP4005	Perchloric Acid, 0.100 Normal Conforms to USP 35
USP4101	USP4105	Phenol Red TS Conforms to USP 35
USP4201	USP4205	Phenolphthalein TS/RS Conforms to USP 35
USP4301	USP4305	Phloroglucinol TS Conforms to USP 35
USP4401	USP4405	Phosphotungstic Acid TS Conforms to USP 35
USP4501	USP4505	Potassium Acetate TS Conforms to USP 35
USP4601	USP4605	Potassium Carbonate TS Conforms to USP 35
USP5101	USP5105	Potassium Iodide TS Conforms to USP 35
USP5201	USP5205	Potassium Permanganate, 0.100 Normal Conforms to USP 35
USP5301	USP5305	Potassium Sulfate TS Conforms to USP 35
USP5401	USP5405	Resorcinol TS Conforms to USP 35
USP5501	USP5505	Silver Nitrate, 0.100 Normal Conforms to USP 35
USP5601	USP5605	Sodium Acetate TS Conforms to USP 35
USP5701	USP5705	Sodium Chloride Conforms to USP 35
USP5801	USP5805	Sodium Hydroxide, 1.00 Normal Conforms to USP 35
USP5901	USP5905	Sodium Thiosulfate, 0.100 Normal (N/10) Conforms to USP 35
USP6001	USP6005	Sulfanilic Acid TS, Conforms to USP 35
USP6101	USP6105	Sulfuric Acid, 1.00 Normal Conforms to USP 35
USP6201	USP6205	Thymol Blue TS/RS Conforms to USP 35
USP6301	USP6305	Zinc Sulfate, 0.0500 Molar Conforms to USP 35
USP6401	USP6405	Diluted Alcohol (50/50 Alcohol Water) Conforms to USP 35
USP6501	USP6505	Ammonia (Ammonium Hydroxide) TS Conforms to USP 35
USP6601	USP6605	Methyl Red TS Conforms to USP 35
USP5501	USP5505	Silver Nitrate, 0.100 Normal Conforms to USP 35
USP5601	USP5605	Sodium Acetate TS Conforms to USP 35

European Pharmacopoeia Standards and Reagents

Reagecon, as a specialist manufacturer of laboratory reagents has now introduced the range of Reagents and Standard solutions in Chapters 2 and 4 of the current Ph. Eur. All are manufactured and tested in compliance with the Ph. Eur. and are supplied with a Certificate of Analysis. Lot No. and expiry date are stated on all product labels

Reagents as outlined in Chapter 4 (4.1.1) of Ph. Eur.

100 ml	Description	Pack Size
1000401	Acetic Acid (30%)	1L
1000402	Acetic Acid , Dilute (12%)	1L
1000501	Acetic Anhydride Solution R1	1L
1002501	Alcohol, Aldehyde Free	1L
1004702	Ammonia Dilute, R1	1L
1004703	Ammonia Dilute , R2	1L
1005201	Ammonium Carbonate Solution	1L
1005703	Ammonium Molybdate Solution R2	1L
1007301	Anisaldehyde Solution	100ml
1007302	Anisaldehyde Solution	100ml
1009301	Barium Chloride Solution	1L
1009401	Barium Hydroxide Solution	1L
1011601	Biuret Reagent	1L
1012601	Bromocresol Green Solution	100ml
1012602	Bromocresol Green-Methyl Red Solution	100ml
1012701	Bromocresol Purple Solution	100ml
1012801	Bromophenol Blue Solution	100ml
1012803	Bromophenol Blue Solution R2	100ml
1012901	Bromothymol Blue Solution R1	100ml
1015201	Calcium Sulphate Solution	1L
1022001	Congo Red Solution	1L
1022002	Congo Red Paper	Pk of 100
1022901	Crystal Violet Solution	100ml
1023100	Cupri-Citric Solution	1L
1023300A	Cupri-Tartaric Solution 1	500ml
1023300B	Cupri-Tartaric Solution 2	500ml
1032101	Diphenylamine Solution	1L
1032102	Diphenylamine Solution R1	1L
103110101	Dimidium Bromide Disulphine Blue Mixed Indicator	100ml
1037702	Ferric Ammonium Sulphate Solution R2	1L
1038100	Ferriin	100ml
1039101	Formaldehyde Solution	100ml
1039401	Fuchsin Solution, Decolourised	100ml
1039402	Fuchsin Solution, Decolourised R1	100ml
1043101	Holmium Perchlorate Solution	1L
1043501	Hydrochloric Acid R1	1L
1043503	Hydrochloric Acid Dilute	1L
1043504	Hydrochloric Acid , Dilute R1	1L
1045901	Iodine Bromide Solution	1L
1046300	Iodoplatinate Reagent	200ml
1048001	Lanthanum Nitrate Solution	1L
1048101	Lead Acetate Cotton	1 Bottle 10g

European Pharmacopoeia Reagents

Ready to Use

ADVANTAGES:

Savings Preparation time, Raw materials, QC, Disposal

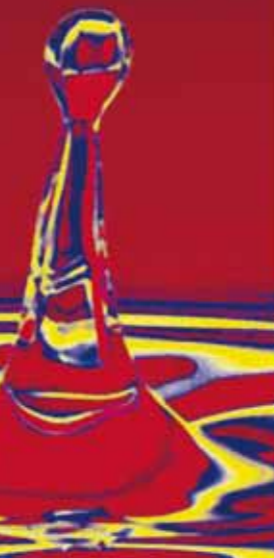
Security Prepared as per EP in ISO 9001 facility

Experience 5 year history

Expertise Currently used by major Pharmaceutical Companies in EUROPE, USA and ASIA

Excellence Certificate of Analysis Stable

Reagecon



Reagents as outlined in Chapter 4 (4.1.1) of Ph. Eur.

100 ml	Description	Pack Size
1048102	Lead Acetate Paper	Pk of 50
1048103	Lead Acetate Solution	1L
1052101	Mercuric Bromide, Paper	Pk of 50
1053601	Methoxyphenylacetic Reagent	100ml
1054801	Methyl Orange Mixed Solution	100ml
1054802	Methyl Orange Solution	100ml
1055101	Methyl Red Mixed Solution	100ml
1055102	Methyl Red Solution	100ml
1056801	Mordant Black II Triturate	100g
1056700	Molybdovanadic Reagent	100ml
1057601	Naphtolbenzein Solution	100ml
1058201	Nile Blue A Solution	100ml
1058303	Ninhydrin Solution	100ml
1058304	Ninhydrin Solution R1	100ml
1058305	Ninhydrin Solution R2	100ml
1058402	Nitric Acid Dilute	100ml
1062901	Perchloric Acid Solution	100ml
1063601	Phenol Red Solution	100ml
1063603	Phenol Red Solution R2	500ml
1063702	Phenolphthalein Solution	100ml
1063703	Phenolphthalein Solution R1	100ml
1065000	Phosphomolybdotungstic Reagent	100ml
1065200	Phosphotungstic Acid Solution	100ml
1065801	Picric Acid Solution	100ml
1065802	Picric Acid Solution R1	100ml
1069101	0.1M Potassium Chloride	1L
1069201	Potassium Chromate Solution	1L
1069501	Potassium Dichromate Solution	1L
1069801	Potassium Ferrocyanide Solution	100ml
1070001	0.2M Potassium Hydrogen Phthalate	1L
1070302	0.5M Potassium Hydroxide in Alcohol (10% v/v)	1L
1070303	Potassium Hydroxide Solution, Alcoholic	100ml
1070501	Potassium Iodide and Starch Solution	125ml
1070502	Potassium Iodide Solution	1L
1070504	Potassium Iodide Solution Saturated	500ml
1070600	Potassium Iodobismuthate Solution	100ml
1070602	Potassium Iodobismuthate Solution R2	100ml
1070902	Potassium Permanganate Solution	1L
1071301	Potassium Pyroantimonate Solution	125ml
1071600 A+B	Potassium Tetraiodomercurate Solution (alkaline A+B)	100ml each
1075201	Ruthenium Red Solution	100ml
1078301	Silver Nitrate Solution R1	1L

Reagents As Outlined In Chapter 4 (4.1.1) of Ph. Eur.

100 ml	Description	Pack Size
1078302	Silver Nitrate Solution R2	1L
1079301	Sodium Carbonate Solution	1L
1081401	Sodium Hydroxide Solution	1L
1081402	Sodium Hydroxide Solution	1L
1081404	Sodium Hydroxide Solution, Strong	1L
10816005	Sodium Hypochlorite Solution , Strong	500ml
1083901	Sodium Sulphide Solution	100ml
1085001	Stannous Chloride Solution	100ml
1085103	Starch Solution	100ml
1086804	Sulphuric Acid Dilute	1L
1088600	Tetramethylammonium Hydroxide Solution	1L
1089602	Thioacetamide Solution	1L
1090701	Thymolphthalein Solution	1L
1094201	Tris (Hydroxymethyl) Aminomethane Solution	100ml
1095502	Carbon Dioxide Free Water	1L
1096601	Zinc Chloride - Formic Acid Solution	1L
1096602	Zinc Chloride Solution Iodinated	1L
1102301	Zinc Acetate Solution	1L

Volumetric Solutions As Outlined In Chapter 4 (4.2.2) of Ph. Eur.

100 ml	Description	Pack Size
3000100	0.1M Ammonium and Cerium Nitrate	1L
3000200	0.01M Ammonium and Cerium Nitrate	1L
3000300	0.1M Ammonium and Cerium Sulphate	1L
3000500	0.1M Ammonium Thiocyanate	1L
3000600	0.1M Barium Chloride	1L
3000900	0.004M Benzethonium Chloride	1L
3001100	0.1M Cerium Sulphate	1L
3001300	0.1M Ferric Ammonium Sulphate	1L
3001500	6M Hydrochloric Acid	1L
3001700	2M Hydrochloric Acid	1L
3001800	1.0M Hydrochloric Acid	1L
3002100	0.1M Hydrochloric Acid	1L
3002700	0.05M Iodine	1L
3002900	0.01M Iodine	1L
3003100	0.1M Lead Nitrate	1L
3003300	0.1M Lithium Methoxide	1L
3003500	0.02M Mercuric Nitrate	1L
3003900	0.1M Perchloric Acid	1L
3004200	0.033M Potassium Bromate	1L
3004800	0.1M Potassium Hydroxide	1L
3004900	0.5 M Potassium Hydroxide in Alcohol (60% v/v)	1L

Volumetric Solutions as outlined in Chapter 4 (4.2.2) of Ph. Eur.

100 ml	Description	Pack Size
3005000	0.5M Potassium Hydroxide, Alcoholic	1L
3005100	0.1M Potassium Hydroxide, Alcoholic	1L
3005300	0.02M (0.1N) Potassium Permanganate	1L
3005600	0.1M Silver Nitrate	1L
3005800	0.1M Sodium Arsenite	1L
3005900	0.1M Sodium Edetate	1L
3006300	1.0M Sodium Hydroxide	1L
3006600	0.1M Sodium Hydroxide	1L
3007000	0.1M Sodium Hydroxide, Ethanolic	1L
3007100	0.1M Sodium Methoxide	1L
3007200	0.1M Sodium Nitrite	1L
3007300	0.1M Sodium Thiosulphate	1L
3007800	0.5M Sulphuric Acid	1L
3008000	0.05M Sulphuric Acid	1L
3008300	0.1M Tetrabutylammonium Hydroxide	1L
3008400	0.1M Tetrabutylammonium Hydroxide in 2-propanol	1L
3008600	0.1M Zinc Sulphate	1L
3008700	1M Cupriethylenediamine Hydroxide Solution	1L
3008800	0.1M Hydrochloric Acid, Alcoholic	1L
3009100	1M Potassium Hydroxide	1L
3009300	0.001M Silver Nitrate	1L

Buffer Solutions As Outlined In Chapter 4 (4.1.3) of Ph. Eur.

100 ml	Description	Pack Size
4000100	Buffered Acetone Solution	1L
4000600	Buffer Solution pH 3.5	1L
4000700	Phosphate Buffer Solution pH 3.5	10L
4001400	Acetate Buffer Solution pH 4.6	1L
4002400	Phosphate Buffer Solution pH 6.0	1L
4004800	Phosphate Buffer Solution pH 7.4	1L
4007200	Ammonium Chloride Buffer Solution pH 9.5	1L
4007300	Ammonium Chloride Buffer Solution pH10.00	1L
4008300	Buffer (Phosphate) solution pH 9.00	1L
4013300	Phosphate Buffer Solution pH 8.5	5L

Standard Solution for Limit Tests As Outlined In Chapter 4 (4.1.2) of Ph. Eur.

100 ml	Description	Pack Size
5000200	Aluminium Standard Solution (200ppm Al)	100ml
5000300C	Conc. to make Ammonium Standard Solution 100ppm as NH ₄	100ml
5000302C	Conc. to make Ammonium Standard Solution (1ppm NH ₄)	100ml
5000500C	Conc. to make Arsenic Standard Solution (10ppm as As)	100ml
5000700	Cadmium Standard Solution (0.1% Cd)	100ml
5000800C	Conc. to make Calcium Standard Solution (400ppm Ca)	100ml
5000802C	Conc. to make (5000802)Calcium Standard Solution (100ppm Ca) Alcoholic	100ml
5000900C	Conc. to make Chloride Standard Solution (8ppm Cl)	100ml
5001000	Chromium Standard Solution (100ppm Cr)	1L
5001100	Copper Standard Solution (0.1% Cu)	100ml
5001200C	Conc. To make Ferrocyanide Standard Solution (100ppm Fe CN ₆)	100ml
5001400C	Conc. to make Fluoride Standard Solution (100ppm F)	100ml
5001600C	Conc. to make Iron Standard Solution (20ppm Fe)	100ml
5001602C	Conc. to make Iron Standard Solution (8ppm Fe)	100ml
5001700	Lead Standard Solution (0.1% Pb)	100ml
5001701C	Conc. to make Lead Standard Solution (100ppm Pb)	100ml
5001800C	Concentrate to make (5001800) Magnesium Standard Solution (100ppm Mg)	100ml
5002000C	Concentrate to make Nickel Standard Solution (10ppm Ni)	100ml
5002102C	Conc. to make Nitrate Standard Solution (2ppm NO ₃)	100ml
5002200C	Conc. to make Phosphate Standard Solution (5ppm PO ₄)	100ml
5002400C	Conc to make (5002400) Potassium Standard Solution (100ppm K)	100ml
5002500	Selenium Standard Solution (100ppm Se)	1L
5002700C	Conc. to make (5002700)Sodium Standard Solution (200ppm Na)	100ml
5002800C	Conc. to make Sulphate Standard Solution (10ppm SO ₄)	100ml
5003401C	Conc. to make (5003401) Zinc Standard Solution (100ppm as Zn)	100ml

Reagents as Outlined in Chapter 2

100 ml	Description	Pack Size
EPP0S01	Primary Opalescent Standard	100ml

Colouration - Primary Solutions

100 ml	Description	Pack Size
EPBS01	Primary Blue Solution	100ml
EPRS01	Primary Red Solution	100ml
EPYS01	Primary Yellow Solution	100ml

Reference Solutions

100 ml	Description	Pack Size
EPY101	Reference Solution Y1	100ml
EPY201	Reference Solution Y2	100ml
EPY301	Reference Solution Y3	100ml
EPY401	Reference Solution Y4	100ml
EPY501	Reference Solution Y5	100ml
EPY601	Reference Solution Y6	100ml
EPY701	Reference Solution Y7	100ml

Reference Buffer Solutions

100 ml	Description	Pack Size
EP168	pH Buffer Solution pH 1.68 ± 0.01 @ 25°C	500ml
EP401	pH Buffer Solution pH 4.01 ± 0.01 @ 25°C	500ml
EP687	pH Buffer Solution pH 6.87 ± 0.01 @ 25°C	500ml
EP741	pH Buffer Solution pH 7.41 ± 0.01 @ 25° C	500ml
EP918	pH Buffer Solution pH 9.18 ± 0.01 @ 25° C	500ml

Standard Solutions

100 ml	Description	Pack Size
EP703	Standard Solution B (Brown)	125ml
EP704	Standard Solution BY (Brown/Yellow)	125ml
EP705	Standard Solution GY (Green/Yellow)	125ml
EP706	Standard Solution Y (Yellow)	125ml
EP707	Standard Solution R (Red)	125ml

Buffered Eluents For Liquid Chromatography

Why Use Ready to Use Buffered Eluents For Liquid Chromatography?

Commercial Benefits

- Reduce sample preparation time
- Save Time
- Save Money
- Focus on core activities
- Ensure Consistency of product
- Free up valuable Laboratory Space
- Achieve peace of mind

Technical Benefits

- Produced in accordance with EPA methods
- Consistency of product –Independent, Traceable, Certified.
- Ideal for use in EPA 500, 600 and 8000 series methods
- Compound mix REPAH008 designed specifically for use in EPA 8310 method
- Certificates of Analysis and Safety Data Sheets available online

Reagecon is pleased to announce a new range of Ready to Use Buffered Eluents for Liquid Chromatography. These solutions have been developed as part of our on going Research and Development program. The control of Mobile Phase pH, when analysing ionisable compounds using HPLC is well recognised. There is also a substantial body of literature supporting the use of pH control when working with field samples of non-ionisable compounds due to the presence of ionisable impurities or contaminants. The use of Reagecon's high quality buffer systems will minimise variations of mobile phase pH, leading to dramatically improved selectivity, retention factor, peak shape, resolution and reproducibility. These Buffered Eluents, which are not available from any other manufacturer, bring you multiple benefits that include:

- Significant reduction in the amount of time and expense required to prepare them in house - "lean labs"
- Produced according to relevant Pharmacopoeia requirements – no deviation in materials or methodology
- Manufactured under controlled processes and batch certified to ensure lot-to-lot consistency and reproducibility of results

Such benefits give you the assurance and peace of mind that in house preparations, cannot provide. We can also manufacture mobile phase solvent mixtures to suit individual requirements – just ask us for details.

Reagecon has selected 18 of the most commonly recommended buffering systems from scientific literature and from the currently published 2,400 monographs of the USP, these are listed below. However, there are several hundred other buffering systems contained in the monographs and we are happy to quote for these also. The products presented are suitable for use as buffering systems in either solvent or aqueous mobile phases.

Product No.	Description	Pack Size
USP8005	Mobile Phase Buffer pH 2-6.8g/L Monobasic Potassium Phosphate	500ml
USP8105	Mobile Phase Buffer pH 2.5-0.01M Phosphoric Acid and 0.01M Monobasic Sodium Phosphate	500ml
USP8205	Mobile Phase Buffer pH 2.5 - Monobasic Potassium Phosphate	500ml
USP8305	Mobile Phase Buffer pH 3 - Monobasic Potassium Phosphate	500ml
USP8405	Mobile Phase Buffer pH 3.5 - Monobasic Sodium Phosphate	500ml
USP8505	Mobile Phase Buffer pH 4 - Monobasic Potassium Phosphate	500ml
USP8605	Mobile Phase Buffer pH 4.5 - Sodium Acetate Trihydrate	500ml
USP8705	Mobile Phase Buffer pH 4.5 - Monobasic Potassium Phosphate	500ml
USP8805	Mobile Phase Buffer pH 5 - Monobasic Potassium Phosphate	500ml
USP8905	Mobile Phase Buffer pH 5.5 - Monobasic / Dibasic Potassium Phosphate	500ml
USP801	Mobile Phase Buffer pH 2 - 6.8g/L Monobasic Potassium Phosphate	1L
USP811	Mobile Phase Buffer pH 2.5 - 0.01M Phosphoric Acid and 0.01M Monobasic Sodium Phosphate	1L
USP821	Mobile Phase Buffer pH 2.5 - 0.01M Phosphoric Acid and 0.01M Monobasic Sodium Phosphate	1L
USP831	Mobile Phase Buffer pH 3 - Monobasic Potassium Phosphate	1L
USP841	Mobile Phase Buffer pH 3.5 - Monobasic Sodium Phosphate	1L
USP851	Mobile Phase Buffer pH 4 - Monobasic Potassium Phosphate	1L
USP861	Mobile Phase Buffer pH 4.5 - Sodium Acetate Trihydrate	1L
USP871	Mobile Phase Buffer pH 4.5 - Monobasic Potassium Phosphate	1L
USP881	Mobile Phase Buffer pH 5 - Monobasic Potassium Phosphate	1L
USP891	Mobile Phase Buffer pH 5.5 - Monobasic / Dibasic Potassium Phosphate	1L



Reagecon

Physical & Chemical Standards

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