

Promocija

KEFO
ovlašćeni
distributer



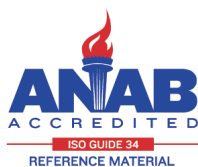
TOP INORGANIC STANDARDS

in Certified Reference Materials production (Custom and Stock) with both ISO Guide 34 and ISO/IEC 17025 accreditations.

The four secrets of our success are:

- ✓ High-technology
- ✓ High-quality
- ✓ High-experienced staff
- ✓ High-speed

Quality Certification and Accreditation



ISO/IEC 17043:2010

Our scope

Inorganic Certified Reference Materials (CRMs)

Stock Inorganic solutions - AAS, ICP and ICP/MS, Ion Chromatography:

- Single and Multi-element
- AAS and ICP Modifiers, Buffers and Reagents
- IC Eluent concentrates

Custom-made solutions

CPAchem Ltd. is a world leader in manufacturing of custom reference solutions, prepared to specific customer requirements. CPAchem's team has gained enormous experience and knowledge on how to prepare custom organic solutions in order to satisfy even the most extraordinary clients' needs. The lead time - 2 to 5 days. Emergency orders within 24 hours. Flexibility, saving time, money and efforts.

Organic Certified Reference Materials (CRMs)

Stock and Custom-made solutions and substances for GC/GC-MS, HPLC/HPLC-MS:

- Single and Multi-component solutions;
- According to ISO, EN, International Regulations, European and US Pharmacopoeia methods, ASTM and EPA Methods, etc.
- Contaminant standards.

Synthesis

CPAchem is in the process of completing the range of Polybrominated diphenyl ethers (BDE). CPAchem has entered the market with more than thousand new organic substances, most of which do not have a CRM substitute.

Volumetric and buffers Certified Reference Materials (CRMs)

Custom- made and Stock Volumetric solutions

Custom- made and Stock pH and conductivity buffers. Primary pH buffers (Harned Cell).

Pharmacopoeia products

Products according to the European, US, British, Indian, Japanese, and International Pharmacopoeias.

PT Schemes

We organize PT schemes for Water, Wine, Spirits, Pharmaceuticals and Custom-made.



What makes us different?

Our specially developed Computer Aided Manufacturing (CAM) software, in addition to the modern network SQL-based data collecting system controls all internal processes:

- ✓ Automated calculations;
- ✓ Barcode-driven movement;
- ✓ Computer control of balances and other hardware;
- ✓ Incoming control of the raw materials;
- ✓ Manufacturing and control of the intermediate solutions (bulks);
- ✓ Preparation of a custom-made solution (the program determines the needed weights and controls the gravimetric process on the analytical balances).
- ✓ Control of the final product (instrumental or classical);
- ✓ Evaluating the final data and calculating the certified values and uncertainties;
- ✓ Automatic printing of labels, certificates and MSDS;
- ✓ Automatic printing of Delivery Notes and e-mailing tracking numbers to clients.

CRM Certification

Main benefits of our certification in comparison to the ones given by other producers are to be found in the following:

- ✓ The Certificate of Analysis, reports the actual values and not simply the calculated ones;
- ✓ Created in accordance with ISO Guide 31 and ISO Guide 35;
- ✓ Certified values and uncertainties are obtained on the basis of two independent methods when possible (even for multi-element solutions);
- ✓ The uncertainties refer to each of the components separately and not to the uncertainty of the whole mixture.

Each solution is barcode identified

Traceable to SI

Certification Date and Stability Check Date

Unique LOT number

CERTIFIED REFERENCE MATERIAL

This document is designed and the certified value(s) and uncertainty(ies) are determined in accordance with ISO Guide 31⁽¹⁾, ISO Guide 35⁽²⁾ and Eurachem / CITAC Guides⁽³⁾

Lot N: XXXX

Barcode: XXXXX

Certification Date: 28.06.2016
Date of Stability last check:

Description of the Reference Material (CRM): Solution of: Al 100mg/l; Ag 100mg/l; As 100mg/l; B 100mg/l; Ba 100mg/l; Be 100mg/l; Bi 100mg/l; Ca 100mg/l; Cd 100mg/l; Co 100mg/l; Cr 100mg/l; Cu 100mg/l; Fe 100mg/l; K 100mg/l; Li 100mg/l; Mg 100mg/l; Mn 100mg/l; Mo 100mg/l; Na 100mg/l; Ni 100mg/l; Pb 100mg/l; Sb 100mg/l; Se 100mg/l; Sr 100mg/l; Ti 100mg/l; Tl 100mg/l; V 100mg/l; Zn 100mg/l; Matrix: 5% HNO₃

Ref N: MB56A K1.5N.1.5

Certified value/ Uncertainty:

Element	Certified Value and Uncertainty [mg/l]	Metrological traceability:
Al	100.12 ± 0.30 ^(y)	NIST SRM No 3101a Lot 060502
Ag	100.10 ± 0.31 ^(y)	NIST SRM No 3151 Lot 992212
As	100.65 ± 0.54 ^(y)	NIST SRM No CGAS1-1 Lot G2-AS02102
B	100.18 ± 0.34 ^(y)	NIST SRM No 3107 Lot 110830
Ba	100.21 ± 0.33 ^(y)	NIST SRM No 3104a Lot 070222
Be	99.89 ± 0.28 ^(y)	NIST SRM No 3105a Lot 090514
Bi	99.71 ± 0.37 ^(y)	NIST SRM No 3106 Lot 991212
Ca	99.34 ± 0.23 ^(y)	NIST SRM No 3109a Lot 130213
Cd	99.29 ± 0.33 ^(y)	NIST SRM No 3108 Lot 130116
Co	99.76 ± 0.26 ^(y)	NIST SRM No 3113 Lot 000630
Cr	99.85 ± 0.27 ^(y)	NIST SRM No 3112a Lot 030730
Cu	100.23 ± 0.25 ^(y)	NIST SRM No 3114 Lot 121207
Fe	99.30 ± 0.30 ^(y)	NIST SRM No 3126a Lot 140812
K	100.45 ± 0.32 ^(y)	NIST SRM No 3141a Lot 140813
Li	99.66 ± 0.31 ^(y)	NIST SRM No 3129a Lot 100714
Mg	99.40 ± 0.22 ^(y)	NIST SRM No 3131a Lot 050302
Mn	99.77 ± 0.29 ^(y)	NIST SRM No 3132 Lot 050429
Mo	100.03 ± 0.32 ^(y)	NIST SRM No 3134 Lot 891307
Na	100.69 ± 0.32 ^(y)	NIST SRM No 3152a Lot 120715
Ni	99.76 ± 0.32 ^(y)	NIST SRM No 3136 Lot 120619
Pb	98.53 ± 0.63 ^(y)	NIST SRM No 3128 Lot 101026
Sb	99.70 ± 0.35 ^(y)	NIST SRM No 3102a Lot 061229
Se	99.28 ± 0.54 ^(y)	NIST SRM No 3149 Lot 100901
Sr	100.07 ± 0.27 ^(y)	NIST SRM No 3153a Lot 990906
Ti	100.50 ± 0.28 ^(y)	NIST SRM No 3162a Lot 060808
Tl	100.01 ± 0.42 ^(y)	NIST SRM No 3158 Lot 993012
V	99.86 ± 0.35 ^(y)	NIST SRM No 3165 Lot 992706
Zn	99.43 ± 0.30 ^(y)	NIST SRM No 3168a Lot 120629

Method(s) of certification used: CRM's calibration procedure(s):

(y) WQP 5.15.1.24

Notes: The certified value was obtained by a weighted mean of the results of two independent methods among: Classical Volumetric, Primary Gravimetric, Instrumental (AAS, ICP or IC)

Concept of Certification and traceability statement:
This certified reference material is produced using a high-purity starting material, acid from sub-boiling and 18 MΩ_{cm} deionized water. The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor k = 2, which for a normal distribution corresponds to a coverage probability of approximately 95%. The standard uncertainty of measurement has been determined in accordance with EA 4/02. Property of the result of a measurement whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties (ISO VIM). The metrological traceability is assured through calibration on ICP-OES, AAS. The calibration curve is drawn using a series of standard solutions prepared from a certified reference material traceable to SI of NIST (SRM) and of accredited according to ISO/IEC 17025⁽⁴⁾ and/or ISO Guide 34⁽⁵⁾ laboratories/producers. All contributions in relation to the certification of standard solutions are considered when evaluating the uncertainty. The measurement results are traceable to SI. All analytical balances used for the preparation of the solution are calibrated yearly under an in-house procedure with analytical weights, traceable to DKD and are checked daily.

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The uncertainties are given for each component separately

The certified values are obtained by two independent methods

Purity of Each Starting Material

Class A laboratory glassware is used.
The results from temperature measurement are traceable to SI. The thermometers used for calibration are calibrated from an ISO 17025 accredited laboratory. The ambient conditions are controlled with a hygrometer calibrated from an ISO 17025 accredited laboratory.

Starting material, purity * :

Al 99.999%	55 : Al[Al] : 8N : T- : 5 : N06
AgNO ₃ 99.999%	50 : Ag[AgNO ₃] : 5N : T- : 5 : O01
H ₂ AsO ₄ 99.999%	100 : As[H ₃ AsO ₄] : H ₂ O : TNH4 : 5 : K06
H ₃ BO ₃ 99.999%	5 : B[H ₃ BO ₃] : H ₂ O : T- : 5 : O01
Ba(NO ₃) ₂ 99.999%	20 : Ba[Ba(NO ₃) ₂] : 2N : T- : 5 : O08
Be ₂ O(C ₂ H ₃ O ₂) ₆ 99.9989%	20 : Be[Be ₂ O(C ₂ H ₃ O ₂) ₆] : 5N : T- : 489 : O04
Bi 99.999%	50 : Bi[Bi] : 5N : T- : 5 : N01
Ca(NO ₃) ₂ 99.998%	80 : Ca[Ca(NO ₃) ₂] : 5N : T- : 48 : O06
Cd 99.999%	50 : Cd[Cd] : 5N : T- : 5 : O01
Co(NO ₃) ₂ 99.999%	30 : Co[Co(NO ₃) ₂] : 8N : T- : 5 : O02
Cr(NO ₃) ₃ 99.999%	50 : Cr[Cr(NO ₃) ₃] : 2N : T- : 5 : O01
Cu 99.999%	60 : Cu[Cu] : 10N : T- : 5 : O05
Fe 99.99%	50 : Fe[Fe] : 10N : T- : 4 : O02
KNO ₃ 99.999%	50 : K[KNO ₃] : 5N : T- : 5 : N05
Li ₂ CO ₃ 99.999%	55 : Li[Li ₂ CO ₃] : 2N : T- : 5 : O01
Mg(NO ₃) ₂ 99.999%	60 : Mg[Mg(NO ₃) ₂] : 5N : T- : 5 : O01
Mn 99.99%	50 : Mn[Mn] : 5N : T- : 4 : O05
(NH ₄) ₂ MoO ₄ 99.999%	20 : Mo[(NH ₄) ₂ MoO ₄] : 5N0.5F : T- : 5 : O02
NaNO ₂ 99.9985%	50[100] : Na[NaNO ₂] : 5N : T- : 485 : N07-12
Ni(NO ₃) ₂ 99.999%	50 : Ni[Ni(NO ₃) ₂] : 5N : T- : 5 : O02
Pb(NO ₃) ₂ 99.999%	50 : Pb[Pb(NO ₃) ₂] : 5N : T- : 5 : N04
Sb 99.999%	50 : Sb[Sb] : 10N2F : T- : 5 : O03
Se 99.999%	50 : Se[Se] : 2N : T- : 5 : N02
SrCO ₃ 99.998%	50 : Sr[SrCO ₃] : 2N : T- : 48 : N03
(NH ₄) ₂ TiF ₆ 99.999%	10 : Ti[(NH ₄) ₂ TiF ₆] : 5N0.5F : T- : 5 : N04
Ti 99.998%	20 : Ti[Ti] : 5N : T- : 5 : N03
NH ₄ VO ₃ 99.996%	20 : V[NH ₄ VO ₃] : 2N : T- : 46 : O04
Zn 99.99%	50 : Zn[Zn] : 5N : T- : 4 : O02

Density for weight/weight calculations

Density * :

1.042 g/cm³ at 20 °C

Minimum shelf-life:

08.2018 (unopened bottle in aluminized bag)

Date of opening:

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* These values are not certified.

(Recommended period of use should not exceed 12 months from date of opening)

Intended use: For Laboratory Use Only

Calibration of ICP-OES, AAS

Validation of analytical methods

Preparation of working reference samples*

Detection limit and linearity studies

This statement is not intended to restrict the use for other purposes.

Instructions for the correct use of this reference material:

This certified reference material can be used directly or can be diluted in an appropriate high-purity matrix. Only a clean class A glassware should be used. Do not pipet from container. Obtained concentration (in mg/l) after dilution is a result from the multiplication of certified value of CRM concentration and the CRM's volume used for dilution and divided into the flask's volume used for dilution.

Stability and storage:

This CRM is with a guaranteed stability until ±0.5% of the certified concentration within its shelf-life. Stability is guaranteed provided that the solution is kept in its original packaging, tightly closed under normal laboratory conditions.

Hazardous situation:

The normal laboratory safety precautions should be observed when working with this RM. Further details for the handling of this RM are available as safety data sheet.

Level of homogeneity:

This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. To ensure sufficient homogeneity of the sample prior to use thoroughly mix by inversion.

Names of certifying officers:

Laboratory:  Tihomir Stoyanov

Manager:  Krassimira Taralova

- [1] ISO Guide 31: Reference materials - Contents of certificates and labels
- [2] ISO Guide 35: Reference materials - General and statistical principles for certification
- [3] EURACHEM/CITAC Guide: Quantifying Uncertainty in Analytical Measurement
- [4] ISO/IEC 17025: General requirements for the competence of testing and calibration laboratories
- [5] ISO Guide 34: General Requirements for the Competence of Reference Material Producers

This certificate relates solely to the lot number given above.
All processes (including generating of this certificate) are completely controlled by the specialized Computer-Aided-Manufacturing (CAM) software.

This Certified Reference Material was produced under a quality management system that is:
- Registered to ISO 9001 Quality Management System (Lloyd's Register Quality Assurance Ltd Cert No SOF0368072)
- Accredited according to ISO/IEC 17025 - Testing (ANAB Cert No AT-1836)
- Accredited according to ISO Guide 34 - Reference Material Producer (ANAB Cert No AR-1835)

Intended usage

Search Engine

This edition contains a selection of the most popular multi inorganic standards for ICP, ICP-MS, Ion Chromatography and also all of CPChem's catalog mono inorganic standards for AAS, ICP & ICP-MS and Ion Chromatography.

In order to find the full list of our products, CPChem Ltd. recommends you to use our most sophisticated search engine.

Our new Interactive multi-element solutions finder allowing a user-friendly search among thousands of single and multi-component inorganic stock products.



Select Component

Type Name or Formula of the Component

Type Name of the Component for suggestions or click the button to select from list and add as filter

Clear Filter 2 Components as Filter

The suggested concentrations belong to the catalogue products

Conc Sodium [Na] Conc Magnesium [Mg]

Click on red button to remove component filter

107 Inorganic Products by Selected Components [Make Custom Request](#)

Add a product from filtered components or Use the button above to define what components to be included in the product you are looking for!

	Ref.No	Vol.	Product Name	Cnt	Pr.EUR
<input type="checkbox"/>	<input type="text" value="Filter"/>	<input type="text" value="Filter"/>	<input type="text" value="Filter"/>	<input type="text" value="Filter"/>	
<input type="checkbox"/>	91C8.1K.2N.L1	100 ml	ICP calibration standard 4 components: Calcium 10...	5	60.00
<input type="checkbox"/>	91C8.1K.2N.L5	500 ml	ICP calibration standard 4 components: Calcium 10...	5	118.00
<input type="checkbox"/>	91C8.10K.2N...	100 ml	Spiking Standard 2R - 4 components; 10000mg/l ea...	5	117.00
<input type="checkbox"/>	MS91C8.1K....	100 ml	ICP-MS Calibration Standard - 4 elements: 1000mg...	5	75.00
<input type="checkbox"/>	JYICP-MIXM...	100 ml	Standard for determination of 4 main elements - 5...	5	68.00
<input type="checkbox"/>	JYICP-MIXM...	500 ml	Standard for determination of 4 main elements - 5...	5	128.00
<input type="checkbox"/>	N9300218.L1	100 ml	Instrument Calibration Standard 1 - 4 components;...	5	68.00
<input type="checkbox"/>	N9300218.L5	500 ml	Instrument Calibration Standard 1 - 4 components;...	5	128.00

Description

1000 mg/l [Ca] Calcium
1000 mg/l [Mg] Magnesium
1000 mg/l [K] Potassium
1000 mg/l [Na] Sodium
2 % [HNO3] Nitric Acid

Quotation request form

If there isn't a stock product matching your needs, you can make a custom request at: www.cpachem.com/custom/inorganic

WE TAILOR THE FUTURE OF CRM!

CPAchem

invented the custom-made standards in solutions in 2001 and is a world leader in manufacturing of custom reference solutions, prepared to specific customer requirements:

- ✓ they match exactly your needs and give you opportunities to quickly achieve your goals;
- ✓ they are very cost-effective;
- ✓ short lead time -
 - from 2 to 5 days usually;
 - emergency orders - 24 hours.

Experience the benefits of
our tailor-made solutions!

*Send us your request
to sales@cpachem.com*

ICP

Description	Ref. number
	volume (ml)
Standard Solution 100 mg/l Al, Ag, As, B, Ba, Be, Bi, Ca, Cd, Co, Cr, Cu, Fe, K, Li, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Sr, Ti, Tl, V, Zn, in HNO ₃ 5%	MB56A.K1.5N,
	50, 100, 500
Standard Solution 1mg/l each of Al; Ag; As; B; Ba; Be; Bi; Ca; Cd; Co; Cr; Cu; Fe; K; Li; Mg; Mn; Mo; Na; Ni; Pb; Sb; Se; Sr; Ti; Tl; V; Zn in HNO ₃ 2%	MB56A.1.2N
	100, 500
Standard Solution 100 mg/l Al, Ag, As, B, Ba, Be, Bi, Ca, Cd, Cs, Co, Cr, Cu, Fe, In, K, Li, Mg, Mn, Mo, Na, Ni, Nb, Pb, Rb, Sb, Se, Sr, Ti, Tl, V, U, Zn in HNO ₃ 5%	M8A96.K1.5N
	50, 100, 500
Standard Solution 1 mg/l each of Ag, Al, As, B, Ba, Be, Bi, Ca, Cd, Cs, Co, Cr, Cu, Fe, In, K, Li, Mg, Mn, Mo, Na, Ni, Nb, Pb, Rb, Sb, Se, Sr, Ti, Tl, V, U, Zn, in HNO ₃ 5%	M8A96.1.5N
	100, 500
ICP Calibration Standard (IV) 23 components; 1000mg/l each of Ag; Al; B; Ba; Bi; Ca; Cd; Co; Cr; Cu; Fe; Ga; In; K; Li; Mg; Mn; Na; Ni; Pb; Sr; Tl; Zn in HNO ₃ 2%	8263.1K.2N
	100
ICP Calibration Standard 4 components; 1000mg/l each of Ca; Mg; K; Na in HNO ₃ 2%	91C8.1K.2N
	100, 500
21 components; 100mg/l each of Al; As; B; Ca; Cd; Cr; Co; Cu; Fe; K; Mg; Mn; Mo; Na; Ni; Pb; P; Ti; Zn; Si; S in HNO ₃ 5%	BE89.K1.5N
	100, 500
Standard Solution 100 mg/l each of As, Be, Bi, Ca, Cd, Co, Cr, Cu, Fe, Li, Mg, Mn, Mo, Ni, Pb, Sb, Se, Sr, Ti, Tl, V, Zn, all in 5% HNO ₃	M52B5.K1.5N
	50, 100, 500
Calibration solution - 26 components; 100ppm each of Al; As; Ba; Be; Bi; B; Cd; Ca; Cr; Co; Cu; Fe; Pb; Li; Mg; Mn; Mo; Ni; K; Se; Na; Sr; Tl; Ti; V; Zn in HNO ₃ 5%	MU01100100
	100
36 components; 10mg/l each of Ag; Al; As; Ba; B; Ca; Cd; Ce; Co; Cr; Cu; Dy; Er; Eu; Fe; Gd; Ho; K; La; Li; Lu; Mg; Mn; Na; Nd; Ni; P; Pb; Rb; Se; Sm; Sr; Tl; Tm; V; Zn in HNO ₃ 2%	3256.10.2N
	100, 500
Standard Solution 1 mg/l each of: As, Be, Bi, Ca, Cd, Co, Cr, Cu, Fe, Li, Mg, Mn, Mo, Ni, Pb, Sb, Se, Sr, Ti, Tl, V, Zn in 5% HNO ₃	M52B5.1.5N
	100, 500
32 components; 100mg/l each of Ag; Al; Ba; Bi; Ca; Cd; Co; Cr; Cu; Fe; Ga; Ge; In; K; Li; Mg; Mn; Mo; Na; Nb; Ni; P; Pb; Re; Sb; Si; Sn; Ta; Ti; V; W; Zn in HNO ₃ 5%	0C6A.K1.5N
	100, 500



ICP

Description	Ref. number
	volume (ml)
17 components; Ag 2mg/l; Al 20mg/l; As 2mg/l; Ba 5mg/l; Cd 0.2mg/l; Cr 3mg/l; Cu 4mg/l; Fe 20mg/l; Mn 10mg/l; Mo 1mg/l; Ni 2mg/l; Pb 5mg/l; Se 0.5mg/l; Sb 2mg/l; Sn 5mg/l; Tl 2mg/l; Zn 10mg/l in HNO3 2%	006B.2.2N
	100, 500
ICP-OES Wavelength Calibration Solution Concentrate 15 components; Al 50ug/ml; As 50ug/ml; Ba 50ug/ml; Cd 50ug/ml; Co 50ug/ml; Cr 50ug/ml; Cu 50ug/ml; Mn 50ug/ml; Mo 50ug/ml; Ni 50ug/ml; Pb 50ug/ml; Se 50ug/ml; Sr 50ug/ml; Zn 50ug/ml; K 500ug/ml in HNO3 5%	6610030000
	100, 500
13 components; Ca 100mg/l; Mg 25mg/l; Cu 0.2mg/l; Zn 0.2mg/l; Mn 0.2mg/l; Fe 0.1mg/l; Na 50mg/l; K 25mg/l; Al 0.02mg/l; Ba 0.2mg/l; V 0.2mg/l; Mo 0.2mg/l; Be 0.2mg/l in HNO3 5%	9E24.D02.5N
	100, 500
Solution ICP 21 components; 1000mg/l each of Ag; As; Al; B; Ba; Bi; Cd; Co; Cr; Cu; Fe; Ga; In; Li; Mn; Ni; Pb; Sr; Tl; Zn; Si in HNO3 4%	B09A.1K.4N
	100, 500
2 components; 100mg/l each of P; S in H2O	F4AD.K1.W
	100, 500
12 components; Ca 3000mg/l; Mg 450mg/l; K 1200mg/l; Na 150mg/l; SO42- 3000mg/l; P 234.8mg/l; Fe 30mg/l; Mn 30mg/l; Cu 15mg/l; Zn 15mg/l; B 30mg/l; Mo 6mg/l in Nitric Acid 2%	9C24.30.2N
	100, 500
2 components; 200ug/l each of Cd; Pb in HNO3 2%	1B92.D2.2N
	100, 500
12 components; Ca 3000mg/l; Mg 450mg/l; K 1200mg/l; Na 3000mg/l; SO42- 3000mg/l; P 234.8mg/l; Fe 30mg/l; Mn 30mg/l; Cu 15mg/l; Zn 15mg/l; B 30mg/l; Mo 6mg/l in Nitric Acid 2%	F8AA.30.2N
	100, 500

ICP-MS

Description	Ref. number
	volume (ml)
Standard 4 components; 1000mg/l each of Ca; Mg; K; Na in HNO ₃ 2%	MS91C8.1K.2N
	100
Tuning Solution for ICP-MS 6 components: 1ug/l each of Li; Mg; Y; Ce; Ti; Co in HNO ₃ 2%	5185-5959
	500
QC-MS 18 elements : Silver 10mg/l; Aluminium 10mg/l; Arsenic 10mg/l; Barium 10mg/l; Beryllium 10mg/l; Cadmium 10mg/l; Chromium 10mg/l; Cobalt 10mg/l; Copper 10mg/l; Manganese 10mg/l; Nickel 10mg/l; Lead 10mg/l; Selenium 10mg/l; Thorium 10mg/l; Thallium 10mg/l; Uranium 10mg/l; Vanadium 10mg/l; Zinc 10mg/l; Nitric Acid 2%;	MSBEDC.10.2N
	100
Calibration Standard 31 components: Silver 10mg/l; Aluminium 10mg/l; Arsenic 10mg/l; Barium 10mg/l; Boron 10mg/l; Cadmium 10mg/l; Cerium 10mg/l; Cobalt 10mg/l; Chromium 10mg/l; Copper 10mg/l; Dysprosium 10mg/l; Erbium 10mg/l; Gadolinium 10mg/l; Holmium 10mg/l; Lanthanum 10mg/l; Lithium 10mg/l; Lutetium 10mg/l; Manganese 10mg/l; Neodymium 10mg/l; Nickel 10mg/l; Phosphorus 10mg/l; Lead 10mg/l; Rubidium 10mg/l; Selenium 10mg/l; Samarium 10mg/l; Strontium 10mg/l; Thallium 10mg/l; Thulium 10mg/l; Uranium 10mg/l; Vanadium 10mg/l; Zinc 10mg/l; Nitric Acid 2%;	MSE194.10.2N
	100, 250
QC 31 components: Silver 0.01mg/l; Aluminium 0.01mg/l; Arsenic 0.01mg/l; Boron 0.01mg/l; Barium 0.01mg/l; Cadmium 0.01mg/l; Cerium 0.01mg/l; Cobalt 0.01mg/l; Chromium 0.01mg/l; Copper 0.01mg/l; Dysprosium 0.01mg/l; Erbium 0.01mg/l; Gadolinium 0.01mg/l; Holmium 0.01mg/l; Lanthanum 0.01mg/l; Lithium 0.01mg/l; Lutetium 0.01mg/l; Manganese 0.01mg/l; Neodymium 0.01mg/l; Nickel 0.01mg/l; Phosphorus 0.01mg/l; Lead 0.01mg/l; Rubidium 0.01mg/l; Selenium 0.01mg/l; Samarium 0.01mg/l; Strontium 0.01mg/l; Thallium 0.01mg/l; Thulium 0.01mg/l; Uranium 0.01mg/l; Vanadium 0.01mg/l; Zinc 0.01mg/l; Nitric Acid 1%;	MSE194.D01.1N
	100, 500
4 components; 10mg/l each of Mo; Sb; Sn; Ti in HNO ₃ 2%; HF 0.1%	D298.10.2N01F
	100, 500
6020 Interference Check Solution A for ICP-MS systems 12 components; Chlorides (Cl-) 20000ug/ml; Calcium (Ca) 3000ug/ml; Iron (Fe) 2500ug/ml; Sodium (Na) 2500ug/ml; Carbon (C) 2000ug/ml; Aluminium (Al) 1000ug/ml; Magnesium (Mg) 1000ug/ml; Phosphorus (P) 1000ug/ml; Potassium (K) 1000ug/ml; Sulphur (S) 1000ug/ml; Molybdenum (Mo) 20ug/ml; Titanium (Ti) 20ug/ml in Nitric Acid 5%; Hydrofluoric acid tr%	5188-6526
	100, 500



ICP-MS

Description	Ref. number
	volume (ml)
12 components; As 2.5mg/l; Cd 0.5mg/l; Cr 5mg/l; Hg 0.2mg/l; Ni 5mg/l; Pb 5mg/l; Zn 5mg/l; Ba 2.5mg/l; Cu 5mg/l; Mo 3mg/l; Sb 0.5mg/l; Se 0.7mg/l in HNO ₃ 2%	E9A6.2D5.2N
	100, 500
12 components; 10mg/l each of Ba; Be; Ce; Co; Li; In; Mg; Pb; Rh; Tl; U; Y in HNO ₃ 2% for ICP-MS	MS2047.10.2N
	100, 250, 500
21 components; 100ug/ml each of Al; Ag; As; Ba; Be; Cd; Co; Cr; Cu; Fe; K; Mn; Mo; Ni; Pb; Sb; Se; Tl; V; Zn; Sn in HNO ₃ 5%	E5B8.K1.5N
	100, 250, 500
Tuning Solution for ICP-MS 6 components; 1ug/l each of Li; Mg; Y; Ce; Tl; Co in HNO ₃ 2%	MS2768.D001.2N
	100, 500
27 components; B 40mg/l; Be 40mg/l; Cd 40mg/l; Se 40mg/l; Tl 40mg/l; Li 40mg/l; Ti 40mg/l; In 40mg/l; Ag 50mg/l; Ba 50mg/l; Co 50mg/l; Cr 50mg/l; Cu 50mg/l; Fe 50mg/l; Mn 50mg/l; Ni 50mg/l; Sr 50mg/l; V 50mg/l; Zn 50mg/l; Al 80mg/l; As 80mg/l; K 80mg/l; Pb 80mg/l; Na 80mg/l; Mg 80mg/l; Ca 80mg/l; P 200mg/l in HNO ₃ 2%	0F49.50.2N
	100, 500
8 components; As 2mg/l; Cd 2mg/l; Cr 3mg/l; Cu 10mg/l; Fe 4mg/l; Ni 2mg/l; Pb 5mg/l; Zn 10mg/l in HNO ₃ 2%	2407.2.2N
	100, 250, 500
10 components; W 40mg/l; Rh 40mg/l; Pt 40mg/l; Pd 40mg/l; Te 40mg/l; Zr 40mg/l; Si 40mg/l; Mo 50mg/l; Sb 80mg/l; Sn 80mg/l in HCl 2%; HF tr	C304.50.2CtrF
	100, 500
Tuning Solution for ICP/MS 9 components; 10mg/l each of Ba; Be; Ce; Co; In; Mg; Pb; Th; Tl in HNO ₃ 2%	190024400
	100, 500
Calibration standard 8 components: 10 mg/l each of Ge, Hf, Mo, Sb, Sn, Te, W, Zr, in HNO ₃ 2%; HF 0.1%;	MSBD60.10.2N01F
	100, 500
28 elements; Al 0.050mg/l; As 0.050mg/l; B 0.2mg/l; Ba 0.050mg/l; Bi 0.050mg/l; Ca 0.5mg/l; Cd 0.005mg/l; Co 0.050mg/l; Cr 0.1mg/l; Be 0.010mg/l; Cu 0.050mg/l; Fe 0.1mg/l; K 0.2mg/l; Na 0.5mg/l; Li 0.020mg/l; Mg 0.250mg/l; Mn 0.050mg/l; Mo 0.050mg/l; Ni 0.1mg/l; P 0.3mg/l; Pb 0.050mg/l; Se 0.05mg/l; Si 1mg/l; S 1mg/l; Ti 0.050mg/l; U 0.050mg/l; V 0.050mg/l; Zn 0.1mg/l; HNO ₃ 5%;	0956.D05.5N
	100, 500
ICP-MS Stock Tuning Solution- 5 components; 10mg/l each of Li; Y; Ce; Co; Tl in HNO ₃ 2%	5188-6564
	100

ICP-MS

Description	Ref. number
	volume (ml)
3 components; Cr 4mg/l; Sr 4mg/l; Fe 20mg/l in HNO3 2%	61D0.4.2N
	100, 500
Multi-element calibration standard-2A for ICP-MS - 28 components; 10mg/l each of Ag; Al; As; Ba; Be; Ca; Cd; Co; Cr; Cs; Cu; Fe; Ga; Hg; K; Li; Mg; Mn; Na; Ni; Pb; Rb; Se; Sr; Ti; U; V; Zn in HNO3 5%	8500-6940
	100
22 components; Ag 5mg/l; Al 30mg/l; As 10mg/l; B 30mg/l; Ba 10mg/l; Be 3mg/l; Cd 3mg/l; Co 5mg/l; Cr 10mg/l; Cu 10mg/l; Mn 5mg/l; Mo 3mg/l; Ni 10mg/l; Pb 5mg/l; Se 5mg/l; Sn 10mg/l; Tl 2mg/l; Te 10mg/l; V 10mg/l; Zn 100mg/l; Sr 100mg/l; Ti 3mg/l in HNO3 2%	MS069C.5.2N
	100, 500
ICP/MS Calibration standard 4 components: Calcium 1000mg/l; Magnesium 1000mg/l; Potassium 1000mg/l; Sodium 1000mg/l; Iron 1000mg/l; Nitric Acid 2%	MS13BF.1K.2N
	100, 250
16 components; 10ug/ml each of Cu; Sr; Mn; Li; Co; As; Zn; Se; Cs; Rb; Pb; Sc; Ni; V; Cr; Be in HNO3 5%	MSE5D8.10.5N
	100, 500
ICP-MS Calibration Standard (XXI) - 29 components; 10mg/l each of Ag; Al; As; Ba; Be; Bi; Ca; Cd; Co; Cr; Cs; Cu; Fe; Ga; In; K; Li; Mg; Mn; Na; Ni; Pb; Rb; Se; Sr; Ti; U; V; Zn in HNO3 5%	109498, N9300233
	100, 500
Multi-Element Solution 4 - 10 components; 10mg/l each of Au; Hf; Ir; Pd; Pt; Rh; Ru; Sb; Sn; Te in HCl 10%; HNO3 1%	N9300234
	100
Tuning Solution for ICP/MS 9 components; 10mg/l each of Ba; Be; Ce; Co; In; Mg; Pb; Th; Tl in HNO3 2%	190024400
	100



Ion Chromatography

Description	Ref. number
	volume (ml)
Standard 7 ions: 1000mg/l each of Fluorides (F-); Chlorides (Cl-); Nitrites (NO ₂ -); Bromides (Br-); Nitrates (NO ₃ -); Sulphates (SO ₄ 2-); Phosphates (PO ₄ 3-) in Water	1521.1K.W
	100, 250
Mixed Anions Standard - 7 components; 100mg/l each of Chlorides (Cl-); Fluorides (F-); Sulphates (SO ₄ 2-); Nitrates (NO ₃ -); Nitrites (NO ₂ -); Bromides (Br-); Phosphates (PO ₄ 3-) in Water	1521.K1.W
	100, 500
	REAIC1035.L1
7 components; 10mg/l each of Fluorides (F-); Chlorides (Cl-); Nitrites (NO ₂ -); Bromides (Br-); Nitrates (NO ₃ -); Sulphates (SO ₄ 2-); Phosphates (PO ₄ 3-) in Water	1521.10.W
	100, 500
Fluorides 5mg/l; Chlorides 10mg/l; Nitrites 15mg/l; Bromides 25mg/l; Nitrates 25mg/l; Phosphates 40mg/l; Sulphates 30mg/l; Water	ACE63.25.W
	100, 500
Standard Solution 3 components; 1000mg/l each of Chlorides (Cl-); Nitrates (NO ₃ -); Sulphates (SO ₄ 2-) in Water	3905.1K.W
	100
3 components; Phosphates (PO ₄ 3-) 50mg/l; Chlorides (Cl-) 0.5mg/l; Sulphates (SO ₄ 2-) 0.5mg/l in Water	3784.D5.W
	100, 500
3 components; Phosphates (PO ₄ 3-) 20mg/l; Chlorides (Cl-) 0.2mg/l; Sulphates (SO ₄ 2-) 0.2mg/l in Water	3784.D2.W
	100, 500
6 components; 1000mg/l each of Nitrates (NO ₃ -); Chlorides (Cl-); Sulphates (SO ₄ 2-); Bromides (Br-); Phosphates (PO ₄ 3-); Fluorides (F-) in Water	E3A7.1K.W
	100
Standard Solution 6 components; 100mg/l each of Fluorides (F-); Chlorides (Cl-); Bromides (Br-); Nitrates (NO ₃ -); Phosphates (PO ₄ 3-); Sulphates (SO ₄ 2-) in Water	E3A7.K1.W
	100
2 components; Phosphates (PO ₄ 3-) 50mg/l; Chlorides (Cl-) 0.5mg/l in Water	3029.D5.W
	100, 500
2 components; Phosphates (PO ₄ 3-) 20mg/l; Chlorides (Cl-) 0.2mg/l in Water	3029.D2.W
	100, 500
Standard Solution 6 components: Lithium 10mg/l; Sodium 20mg/l; Ammonium 40mg/l; Calcium 40mg/l; Magnesium 20mg/l; Potassium 20mg/l; Nitric Acid 0.1%	A3DCF.40.01N
	100, 500

Ion Chromatography

Description	Ref. number
	volume (ml)
2 components; Phosphates (PO ₄ ³⁻) 50mg/l; Chlorides (Cl ⁻) 5mg/l in Water	23A9.5.W
	100, 500
Multi-Ion Standard 4 components; 1000mg/l each of Sodium (Na ⁺); Potassium (K ⁺); Magnesium (Mg ²⁺); Calcium (Ca ²⁺) in Water	4C79.1K.W
	100
Standard Solution 5 components; 100mg/l each of Ammonium (NH ₄ ⁺); Magnesium (Mg ²⁺); Calcium (Ca ²⁺); Sodium (Na ⁺); Potassium (K ⁺) in Water	1A15.K1.W
	100
3 components; 1000mg/l each of Fluorides (F ⁻); Bromides (Br ⁻); Phosphates (PO ₄ ³⁻) in Water	60DB.1K.W
	100, 250, 500
6 components; Fluorides (F ⁻) 100mg/l; Chlorides (Cl ⁻) 300mg/l; Nitrites (NO ₂ ⁻) 50mg/l; Nitrates (NO ₃ ⁻) 100mg/l; Phosphates (PO ₄ ³⁻) 100mg/l; Sulphates (SO ₄ ²⁻) 300mg/l in Water	0F6C.K3.W
	100, 250
Standard Solution 6 components: Lithium 0.5mg/l; Sodium 2mg/l; Ammonium 2.5mg/l; Potassium 5mg/l; Magnesium 2.5mg/l; Calcium 5mg/l; Nitric Acid 0.1%	A7A40.5.01N
	100, 500
7 components; Chlorides (Cl ⁻) 100mg/l; Fluorides (F ⁻) 25mg/l; Sulphates (SO ₄ ²⁻) 100mg/l; Nitrates (NO ₃ ⁻) 100mg/l; Nitrites (NO ₂ ⁻) 100mg/l; Bromides (Br ⁻) 100mg/l; Phosphates (PO ₄ ³⁻) 100mg/l in Water	7344.K1.W
	100, 250, 500
5 components; Chlorides (Cl ⁻) 40mg/l; Nitrites (NO ₂ ⁻) 10mg/l; Nitrates (NO ₃ ⁻) 40mg/l; Phosphates (PO ₄ ³⁻) 20mg/l; Sulphates (SO ₄ ²⁻) 100mg/l in Water	D371.40.W
	100, 500



Water Check

Description	Ref. number
	volume (ml)
Calcium 1mg/l; Magnesium 0.2mg/l; Sodium 0.5mg/l; Potassium 0.5mg/l; Phosphorus 0.5mg/l; Sulphur 2mg/l; Silicon 1mg/l; Aluminium 0.005mg/l; Silver 0.005mg/l; Arsenic 0.01mg/l; Boron 0.05mg/l; Barium 0.005mg/l; Beryllium 0.002mg/l; Bismuth 0.01mg/l; Cadmium 0.0005mg/l; Cobalt 0.002mg/l; Chromium 0.002mg/l; Copper 0.005mg/l; Iron 0.01mg/l; Lithium 0.05mg/l; Manganese 0.002mg/l; Molybdenum 0.005mg/l; Nickel 0.005mg/l; Lead 0.005mg/l; Antimony 0.01mg/l; Selenium 0.01mg/l; Strontium 0.005mg/l; Titanium 0.002mg/l; Thallium 0.01mg/l; Vanadium 0.005mg/l; Zinc 0.01mg/l; Water/ tr. HNO3	QCCPAWater1
	100, 400
Calcium 10mg/l; Magnesium 2mg/l; Sodium 5mg/l; Potassium 5mg/l; Phosphorus 5mg/l; Sulphur 20mg/l; Silicon 10mg/l; Aluminium 0.05mg/l; Silver 0.05mg/l; Arsenic 0.1mg/l; Boron 0.5mg/l; Barium 0.05mg/l; Beryllium 0.02mg/l; Bismuth 0.1mg/l; Cadmium 0.005mg/l; Cobalt 0.02mg/l; Chromium 0.02mg/l; Copper 0.05mg/l; Iron 0.1mg/l; Lithium 0.5mg/l; Manganese 0.02mg/l; Molybdenum 0.05mg/l; Nickel 0.05mg/l; Lead 0.05mg/l; Antimony 0.1mg/l; Selenium 0.1mg/l; Strontium 0.05mg/l; Titanium 0.02mg/l; Thallium 0.1mg/l; Vanadium 0.05mg/l; Zinc 0.1mg/l; Water/ tr. HNO3	QCCPAWater2
	100, 400
Calcium 100mg/l; Magnesium 20mg/l; Sodium 5mg/l; Potassium 5mg/l; Phosphorus 5mg/l; Sulphur 20mg/l; Silicon 10mg/l; Aluminium 0.05mg/l; Silver 0.05mg/l; Arsenic 0.1mg/l; Boron 0.5mg/l; Barium 0.05mg/l; Beryllium 0.02mg/l; Bismuth 0.1mg/l; Cadmium 0.005mg/l; Cobalt 0.02mg/l; Chromium 0.02mg/l; Copper 0.05mg/l; Iron 0.1mg/l; Lithium 0.5mg/l; Manganese 0.02mg/l; Molybdenum 0.05mg/l; Nickel 0.05mg/l; Lead 0.05mg/l; Antimony 0.1mg/l; Selenium 0.1mg/l; Strontium 0.05mg/l; Titanium 0.02mg/l; Thallium 0.1mg/l; Vanadium 0.05mg/l; Zinc 0.1mg/l; Nitric Acid 2%	CPAWater3
	100
Calcium 1000mg/l; Magnesium 200mg/l; Sodium 50mg/l; Potassium 50mg/l; Phosphorus 50mg/l; Sulphur 200mg/l; Silicon 100mg/l; Aluminium 0.5mg/l; Silver 0.5mg/l; Arsenic 1mg/l; Boron 5mg/l; Barium 0.5mg/l; Beryllium 0.2mg/l; Bismuth 1mg/l; Cadmium 0.05mg/l; Cobalt 0.2mg/l; Chromium 0.2mg/l; Copper 0.5mg/l; Iron 1mg/l; Lithium 5mg/l; Manganese 0.2mg/l; Molybdenum 0.5mg/l; Nickel 0.5mg/l; Lead 0.5mg/l; Antimony 1mg/l; Selenium 1mg/l; Strontium 0.5mg/l; Titanium 0.2mg/l; Thallium 1mg/l; Vanadium 0.5mg/l; Zinc 1mg/l; Nitric Acid 2%	CPAWater4
	100

Water Check

Description	Ref. number
	volume (ml)
Calcium 2000mg/l; Magnesium 400mg/l; Sodium 100mg/l; Potassium 100mg/l; Phosphorus 100mg/l; Sulphur 400mg/l; Silicon 200mg/l; Aluminium 1mg/l; Silver 1mg/l; Arsenic 2mg/l; Boron 10mg/l; Barium 1mg/l; Beryllium 0.4mg/l; Bismuth 2mg/l; Cadmium 0.1mg/l; Cobalt 0.4mg/l; Chromium 0.4mg/l; Copper 1mg/l; Iron 2mg/l; Lithium 10mg/l; Manganese 0.4mg/l; Molybdenum 1mg/l; Nickel 1mg/l; Lead 1mg/l; Antimony 2mg/l; Selenium 2mg/l; Strontium 1mg/l; Titanium 0.4mg/l; Thallium 2mg/l; Vanadium 1mg/l; Zinc 2mg/l; Nitric Acid 5%	CPAWater5
	100
CRM water 1 (Ca 1000 µg/l): Calcium 1mg/l; Magnesium 0.2mg/l; Sodium 0.5mg/l; Potassium 0.5mg/l; Phosphorus 0.5mg/l; Sulphur 2mg/l; Silicon 1mg/l; Aluminium 0.005mg/l; Silver 0.005mg/l; Arsenic 0.01mg/l; Boron 0.05mg/l; Barium 0.005mg/l; Beryllium 0.002mg/l; Bismuth 0.01mg/l; Cadmium 0.0005mg/l; Cobalt 0.002mg/l; Chromium 0.002mg/l; Copper 0.005mg/l; Iron 0.01mg/l; Lithium 0.05mg/l; Manganese 0.002mg/l; Molybdenum 0.005mg/l; Nickel 0.005mg/l; Lead 0.005mg/l; Antimony 0.01mg/l; Selenium 0.01mg/l; Strontium 0.005mg/l; Titanium 0.002mg/l; Thallium 0.01mg/l; Vanadium 0.005mg/l; Zinc 0.01mg/l; Nitric Acid 0.05%	WCEBF.D005.005N.L1
	100
CRM water 2 (Ca 10 000 µg/l): Calcium 10mg/l; Magnesium 2mg/l; Sodium 5mg/l; Potassium 5mg/l; Phosphorus 5mg/l; Sulphur 20mg/l; Silicon 10mg/l; Aluminium 0.05mg/l; Silver 0.05mg/l; Arsenic 0.1mg/l; Boron 0.5mg/l; Barium 0.05mg/l; Beryllium 0.02mg/l; Bismuth 0.1mg/l; Cadmium 0.005mg/l; Cobalt 0.02mg/l; Chromium 0.02mg/l; Copper 0.05mg/l; Iron 0.1mg/l; Lithium 0.5mg/l; Manganese 0.02mg/l; Molybdenum 0.05mg/l; Nickel 0.05mg/l; Lead 0.05mg/l; Antimony 0.1mg/l; Selenium 0.1mg/l; Strontium 0.05mg/l; Titanium 0.02mg/l; Thallium 0.1mg/l; Vanadium 0.05mg/l; Zinc 0.1mg/l; Nitric Acid 0.5%	WCEBF.D05.05N.L1
	100
CRM water 3 (Ca 100 000 µg/l): Calcium 100mg/l; Magnesium 20mg/l; Sodium 50mg/l; Potassium 50mg/l; Phosphorus 50mg/l; Sulphur 200mg/l; Silicon 100mg/l; Aluminium 0.5mg/l; Silver 0.5mg/l; Arsenic 1mg/l; Boron 5mg/l; Barium 0.5mg/l; Beryllium 0.2mg/l; Bismuth 1mg/l; Cadmium 0.05mg/l; Cobalt 0.2mg/l; Chromium 0.2mg/l; Copper 0.5mg/l; Iron 1mg/l; Lithium 5mg/l; Manganese 0.2mg/l; Molybdenum 0.5mg/l; Nickel 0.5mg/l; Lead 0.5mg/l; Antimony 1mg/l; Selenium 1mg/l; Strontium 0.5mg/l; Titanium 0.2mg/l; Thallium 1mg/l; Vanadium 0.5mg/l; Zinc 1mg/l; Nitric Acid 5%	WCEBF.D5.5N.L1
	100



Water Check

Description	Ref. number
	volume (ml)
CRM water 4 (Ca 1000 000 µg/l): Calcium 1000mg/l; Magnesium 200mg/l; Sodium 500mg/l; Potassium 500mg/l; Phosphorus 500mg/l; Sulphur 2000mg/l; Silicon 1000mg/l; Aluminium 5mg/l; Silver 5mg/l; Arsenic 10mg/l; Boron 50mg/l; Barium 5mg/l; Beryllium 2mg/l; Bismuth 10mg/l; Cadmium 0.5mg/l; Cobalt 2mg/l; Chromium 2mg/l; Copper 5mg/l; Iron 10mg/l; Lithium 50mg/l; Manganese 2mg/l; Molybdenum 5mg/l; Nickel 5mg/l; Lead 5mg/l; Antimony 10mg/l; Selenium 10mg/l; Strontium 5mg/l; Titanium 2mg/l; Thallium 10mg/l; Vanadium 5mg/l; Zinc 10mg/l; Nitric Acid 5%	WCEBF.5.5N.L1
	100
CRM water 5 (Ca 2 000 000 mg/l): Calcium 2000mg/l; Magnesium 400mg/l; Sodium 1000mg/l; Potassium 1000mg/l; Phosphorus 1000mg/l; Sulphur 4000mg/l; Silicon 2000mg/l; Aluminium 10mg/l; Silver 10mg/l; Arsenic 20mg/l; Boron 100mg/l; Barium 10mg/l; Beryllium 4mg/l; Bismuth 20mg/l; Cadmium 1mg/l; Cobalt 4mg/l; Chromium 4mg/l; Copper 10mg/l; Iron 20mg/l; Lithium 100mg/l; Manganese 4mg/l; Molybdenum 10mg/l; Nickel 10mg/l; Lead 10mg/l; Antimony 20mg/l; Selenium 20mg/l; Strontium 10mg/l; Titanium 4mg/l; Thallium 20mg/l; Vanadium 10mg/l; Zinc 20mg/l; Nitric Acid 5%	WCEBF.10.5N.L1
	100
Synthetic Sea Water acc. to ASTM D665 : 10 components; NaCl 24.54g/l; MgCl ₂ ·6H ₂ O 11.10g/l; Na ₂ SO ₄ 4.09g/l; CaCl ₂ 1.16g/l; KCl 0.69g/l; NaHCO ₃ 0.20g/l; KBr 0.1g/l; H ₃ BO ₃ 0.03g/l; SrCl ₂ 0.04g/l; NaF 0.003g/l in H ₂ O	SSW
	100, 500
Standard Quality Control for Chlorine - Chlorides (Cl ⁻) 10000mg/l in Water	JYICP-QC2
	100, 500
29 components; Al 120ug/l; Sb 10ug/l; As 80ug/l; Ba 50ug/l; Be 20ug/l; Bi 10ug/l; Cd 10ug/l; Ca 35000ug/l; Cr 20ug/l; Co 25ug/l; Cu 20ug/l; Fe 100ug/l; Pb 40ug/l; Li 20ug/l; Mg 9000ug/l; Mn 40ug/l; Mo 100ug/l; Ni 60ug/l; K 2500ug/l; Rb 10ug/l; Se 10ug/l; Ag 2ug/l; Na 6000ug/l; Sr 250ug/l; Te 3ug/l; Tl 10ug/l; U 10ug/l; V 30ug/l; Zn 70ug/l in HNO ₃ 2%; HF 0.1%	A19C.D002.2N01F
	100, 250
25 components; Ag 6ug/l; Al 10ug/l; Ba 4ug/l; Be 35ug/l; Bi 3ug/l; Ce 3ug/l; Co 8ug/l; Cs 3ug/l; Cu 15ug/l; Ga 10ug/l; Ho 3ug/l; In 3ug/l; Li 8ug/l; Mg 10ug/l; Mn 6ug/l; Ni 15ug/l; Rh 3ug/l; Sc 8ug/l; Sr 5ug/l; Ta 3ug/l; Tb 3ug/l; Tl 4ug/l; U 3ug/l; Y 3ug/l; Zn 20ug/l in HNO ₃ 2% for ICP/MS - (Rh as mono)	30D3.D006.2N
	100, 250, 500

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Ion Chromatography & Eluent Concentrates

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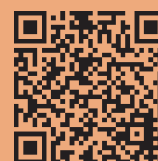
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REQUEST FORM FOR CUSTOM-MADE MULTI-ELEMENT STANDARD SOLUTIONS

1. Specify the concentration of the chosen element in mg/l.

ELEMENT	CONCENTR. in mg/l	ELEMENT	CONCENTR. in mg/l	ELEMENT	CONCENTR. in mg/l
Ag (HNO ₃)		Ho (HNO ₃ or HCl)		S (H ₂ O; HNO ₃ or HCl)	
Al (HNO ₃ or HCl)		In (HNO ₃ or HCl)		Sb (HNO ₃ /tr.HF or HCl)	
As (HNO ₃ or HCl)		Ir (HNO ₃ /HCl or HCl)		Sc (HNO ₃ or HCl)	
Au (HNO ₃ /HCl or HCl)		K (H ₂ O; HNO ₃ or HCl)		Se (HNO ₃ or HCl)	
B (H ₂ O; HNO ₃ or HCl)		La (HNO ₃ or HCl)		Si (H ₂ O; HNO ₃ /tr.HF or HCl)	
Ba (H ₂ O; HNO ₃ or HCl)		Li (H ₂ O; HNO ₃ or HCl)		Sm (HNO ₃ or HCl)	
Be (HNO ₃ /tr.HF or HCl)		Lu (HNO ₃ or HCl)		Sn (HNO ₃ /tr.HF or HCl)	
Bi (HNO ₃)		Mg (H ₂ O; HNO ₃ or HCl)		Sr (H ₂ O; HNO ₃ or HCl)	
Ca (H ₂ O; HNO ₃ or HCl)		Mn (HNO ₃ or HCl)		Ta (HNO ₃ /tr.HF or HCl/tr.HF)	
Cd (HNO ₃ or HCl)		Mo (H ₂ O; HNO ₃ /tr.HF or HCl)		Tb (HNO ₃ or HCl)	
Ce (HNO ₃ or HCl)		Na (H ₂ O; HNO ₃ or HCl)		Te (HNO ₃ or HCl)	
Co (HNO ₃ or HCl)		Nb (HNO ₃ /tr.HF or HCl/tr.HF)		Th (HNO ₃ or HCl)	
Cr (H ₂ O; HNO ₃ or HCl)		Nd (HNO ₃ or HCl)		Ti (HNO ₃ /tr.HF or HCl)	
Cs (H ₂ O; HNO ₃ or HCl)		Ni (HNO ₃ or HCl)		Tl (HNO ₃ or HCl)	
Cu (HNO ₃ or HCl)		Os (HCl)		Tm (HNO ₃ or HCl)	
Dy (HNO ₃ or HCl)		P (H ₂ O; HNO ₃ or HCl)		U (HNO ₃ or HCl)	
Er (HNO ₃ or HCl)		Pb (HNO ₃)		V (HNO ₃ or HCl)	
Eu (HNO ₃ or HCl)		Pd (HNO ₃ or HCl)		W (H ₂ O; HNO ₃ /tr.HF or HCl)	
Fe (HNO ₃ or HCl)		Pr (HNO ₃ or HCl)		Y (HNO ₃ or HCl)	
Ga (HNO ₃ or HCl)		Pt (HNO ₃ /HCl or HCl)		Yb (HNO ₃ or HCl)	
Gd (HNO ₃ or HCl)		Rb (H ₂ O; HNO ₃ or HCl)		Zn (HNO ₃ or HCl)	
Ge (HNO ₃ /tr.HF or HCl)		Re (H ₂ O; HNO ₃ or HCl)		Zr (HNO ₃ /tr.HF or HCl/tr.HF)	
Hf (HNO ₃ /tr.HF or HCl)		Rh (HNO ₃ /HCl or HCl)			
Hg (HNO ₃ or HCl)		Ru (HNO ₃ /HCl or HCl)			

2. Specify the concentration of the chosen matrix, needed volume and quantities.

MATRIX	CONCENTRATION in mg/l	VOLUME in ml	NUMBER OF BOTTLES
HNO ₃			
HCl			
H ₂ O			
OTHER			

3. Complete

Name*

Company*

City* State/Prov

Zip/Postal Code* Country*

Telephone* Fax

E-mail*

* Required

Please, photocopy for future use and fax it to your local distributor
or CPASchem at: +359 42 607 716

1. Specify the concentration of the chosen element in mg/l.

ELEMENT	CONCENTR. in mg/l	ELEMENT	CONCENTR. in mg/l	ELEMENT	CONCENTR. in mg/l
Acetate		Hydrogen Phthalate		Phosphate as P	
Ammonium		Iodate (IO ₃ ⁻)		Potassium	
Ammonium as N		Iodide (I ⁻)		Propionate	
Barium		Lactate		Silicate	
Benzoate		Lithium		Sodium	
Bromate (BrO ₃ ⁻)		Magnesium		Strontium	
Bromide (Br ⁻)		Maleate		Succinate	
Calcium		Methane sulphonate		Sulphate (SO ₄ ²⁻)	
Cesium		3-Methoxypropylamine		Sulphite	
Chromium (III)		Monoethalonamine		Tartrate	
Chromium (VI)		Monomethylamine		Thiocyanate	
Chlorate (ClO ₃ ⁻)		Nitrioltriacetate		Thiosulphate	
Chloride (Cl ⁻)		Nitrate (NO ₃ ⁻)		Triethanolamine	
Citrate		Nitrate as N		Triethylamine	
Cyanide		Nitrite (NO ₂ ⁻)		Trimethylamine	
Diethanolamine		Nitrite as N		Other	
Fluoride		Oxalate		Other	
Formate		Perchlorate		Other	
Glycolate		Phosphate			

2. Specify the concentration of the chosen matrix, needed volume and quantities.

MATRIX	CONCENTRATION in mg/l	VOLUME in ml	NUMBER OF BOTTLES
HNO ₃			
CH ₃ CN			
HCl			
OTHER			

3. Complete

Name*

Company*

City* State/Prov

Zip/Postal Code* Country*

Telephone* Fax

E-mail*

* Required

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or CPAchem at: +359 42 607 716

Organic Standards – Book 1

ISO and EN Methods, European and US, Pharmacopoeia methods,
International Regulations

https://www.cpachem.com/_data/_cpachem.com/Catalogs/CPAchem_Organic%20Catalog_Book%201.pdf



Organic Standards – Book 3

CPAchem's Most Popular Organic Mixtures

https://www.cpachem.com/_data/_cpachem.com/Catalogs/CPAchem_Organic%20Catalog_Book%203.pdf



Inorganic Catalogue

https://www.cpachem.com/_data/_cpachem.com/s0_pages/2015_Catalog-CPA_inorg.pdf



Analytical Reagents and Standards/ Pharmacopoeia products

https://www.cpachem.com/_data/_cpachem.com/s0_pages/2015_CPA_cat_Pharma.pdf



The logo for CPAchem, featuring the company name in a white sans-serif font inside a white, horizontally-oriented oval shape that tapers at both ends.

CPAchem

The Experts in Custom-made Inorganic and Organic Standards

CPAchem Ltd.
7-B-4 Han Asparuh Str.
6000 Stara Zagora
BULGARIA

info@cpachem.com
sales@cpachem.com
www.cpachem.com

CPAchem

*The Experts in Custom-made Standards -
Organic & Inorganic*

ORGANIC STANDARDS – Book 3

CPAchem's
Most Popular
Organic Mixtures



Contents

This catalogue contains only a part of our stock products.

CPAChem's ORGANIC CATALOGUE contains the following four books:

1. ORGANIC STANDARDS – Book 1 - ISO, European and US Pharmacopoeia methods, EN Methods and International Regulations
2. ORGANIC STANDARDS – Book 2 - EPA & ASTM Methods
3. ORGANIC STANDARDS – Book 3 - CPAChem's Most Popular Organic Mixtures
4. ORGANIC STANDARDS – Book 4 - High-Purity Organic & Single-component solutions.

This edition contains a selection of CPAChem's most popular organic mixtures: **Hydrocarbon solutions, PAH Standards, PCB Mixtures, Pesticide Standards, Volatile and Semi-volatile Mixtures.**

The complete list of our thousands of stock products is available on CPAChem's website.

Search Engine

In order to find the full list of our products, CPAChem Ltd. recommends you to use our most sophisticated search engine.



Select Component

Type CAS number or Name of the Component

Type Name or CAS of the Component for suggestions or click the button to select from list and add as filter

Clear Filter 1 Component as Filter

The suggested concentrations belong to the catalogue products

100 ug/ml Atrazine [1912-24-9]

Click on red button to remove component filter

12 Organic Products by Selected Component [Make Custom Request](#)

Add a product from filtered components or Use the button above to define what components to be included in the product you are looking for!

Ref.No	Vol.	Product Name	Cnt	Pr.EUR
Filter	Filter	Filter	Filter	
P804970	1 ml	Atrazine [CAS: 1912-24-9] 100 ug/ml in Acetone	2	17.00
P804990	1 ml	Atrazine [CAS: 1912-24-9] 100 ug/ml in Acetonitr...	2	17.00
P805010	1 ml	Atrazine [CAS: 1912-24-9] 100 ug/ml in Cyclohexa...	2	17.00
F890241	1 ml	Pesticide-Mix - 6 components; 100ug/ml each of A...	7	35.00
F113171	1 ml	NCC Standard Solution 8 components (EPA 505)100ug...	9	65.00
F115751	1 ml	NCC Standard Solution - 11 components (EPA 619)10...	12	40.00
F872031	1 ml	Method DM 471 Pesticide Standard - 15 components;...	16	46.00

Description

100 ug/ml [1912-24-9] Atrazine
1 part [110-82-7] Cyclohexane

It allows a user-friendly search among thousands of single and multi-component organic stock products.

Quotation request form

If there isn't a stock product matching your needs, you can make a custom request at: www.cpachem.com/custom/organic

General Information

CPAchem Ltd. is the world leader in Certified Reference Materials production (Custom and Stock) with both ISO Guide 34 and ISO/IEC 17025 accreditations.

Our scope

Organic Certified Reference Materials (CRMs)

Stock and Custom-made solutions and substances for GC/GC-MS, HPLC/HPLC-MS:

Stock solutions

- Single and Multi-component solutions
- According to ISO, EN, International Regulations, European and US Pharmacopoeia methods, ASTM and EPA Methods, etc.
- Contaminant standards

Custom-made solutions

CPAchem Ltd. is a world leader in manufacturing of custom reference solutions, prepared to specific customer requirements.

CPAchem's team has gained enormous experience and knowledge on how to prepare custom organic solutions in order to satisfy even the most extraordinary clients' needs.

The lead time - 2 to 5 days. Emergency orders within 24 hours.

Flexibility, saving time, money and efforts.

Synthesis

CPAchem is in the process of completing the range of Polybrominated diphenyl ethers (BDE).

CPAchem has entered the market with more than thousand new organic substances, most of which do not have a CRM substitute.

Inorganic Certified Reference Materials (CRMs)

Custom-made and Stock Inorganic solutions - AAS, ICP and ICP/MS, Ion Chromatography:

- Single and Multi-element
- AAS and ICP Modifiers, Buffers and Reagents
- IC Eluent concentrates

Volumetric and buffers Certified Reference Materials (CRMs)

- Custom-made and Stock Volumetric solutions
- Custom-made and Stock pH and conductivity buffers. Primary pH buffers (Harned Cell)

Pharmacopoeia products

Products according to the European, US, British, Indian, Japanese, and International Pharmacopoeias

Quality Certification and Accreditation

We are an accredited Certified Reference Materials producer (ISO Guide 34) and an accredited testing laboratory (ISO/IEC 17025) - both accreditations by ANSI-ASQ National Accreditation Board - ANAB.

From the beginning of 2016 CPAchem Ltd. has been accredited as a Proficiency Testing Provider - ISO/IEC 17043:2010.

CPAchem's Quality Management System has been approved by Lloyds Register Quality Assurance to ISO 9001:2008 since 2001.

CRM Certification

The Certificates of analysis of organic CRM are designed and the certified value(s) and uncertainty(ies) are determined in accordance with ISO Guide 31, ISO Guide 35.

The uncertainties refer to each of the components separately and not to the uncertainty of the mixture.

CERTIFIED REFERENCE MATERIAL
Organic Standard Solution

This document is designed and the certified value(s) and uncertainty(ies) are determined in accordance with ISO Guide 31⁽¹⁾, ISO Guide 35⁽²⁾ and Eurachem / CITAC Guides⁽³⁾

Lot N: C41800 Batch Number (Barcode): 92238930 Certification Date: 10.11.2015
Date of stability last check:

Description of the Reference Material (CRM): **Solution of:** PAH Standard Solution - 16 components, 2000mg/l each of
Acenaphthene [CAS:83-32-9] ; Acenaphthylene [CAS:208-96-8] ;
Anthracene [CAS:120-12-7] ; Benzo(a)anthracene [CAS:56-55-3] ;
Benzo(a)pyrene [CAS:50-32-8] ; Benzo(b)fluoranthene [CAS:205-99-2] ;
Benzo(g,h)perylene [CAS:191-24-2] ; Benzo(k)fluoranthene
[CAS:207-08-9] ; Chrysene [CAS:193-39-5] ; Dibenzo(a,h)anthracene
[CAS:53-70-3] ; Fluoranthene [CAS:206-44-0] ; Fluorene [CAS:86-73-7]
; Indeno(1,2,3-c,d)pyrene [CAS:193-39-5] ; Naphthalene [CAS:91-20-3] ;
Phenanthrene [CAS:85-01-8] ; Pyrene [CAS:129-00-0] in Acetonitrile
Storage conditions: To be stored in a refrigerator at temperature below
4°C

Ref N: F128611




Certified value/ Uncertainty:	Component	Chem. Formula	CAS No.	Certified Value / Uncertainty (mg/l) ^(*)
	Acenaphthene	C ₁₂ H ₁₀	83-32-9	1995.0 ± 27.9
	Acenaphthylene	C ₁₂ H ₈	208-96-8	2002.9 ± 26.0
	Anthracene	C ₁₄ H ₁₀	120-12-7	1965.0 ± 27.9
	Benzo(a)anthracene	C ₁₈ H ₁₂	56-55-3	1896.6 ± 26.1
	Benzo(a)pyrene	C ₂₀ H ₁₂	50-32-8	2003.9 ± 26.8
	Benzo(b)fluoranthene	C ₁₈ H ₁₂	205-99-2	1989.0 ± 26.7
	Benzo(g,h)perylene	C ₂₂ H ₁₄	191-24-2	1997.9 ± 27.9
	Chrysene	C ₁₈ H ₁₂	193-39-5	2000.9 ± 26.3
	Dibenzo(a,h)anthracene	C ₂₂ H ₁₄	53-70-3	2007.6 ± 33.0
	Fluoranthene	C ₁₆ H ₁₀	206-44-0	1989.9 ± 27.6
	Fluorene	C ₁₆ H ₁₄	86-73-7	1968.8 ± 26.3
	Indeno(1,2,3-c,d)pyrene	C ₂₃ H ₁₆	193-39-5	2009.5 ± 26.7
	Naphthalene	C ₁₀ H ₈	91-20-3	2018.9 ± 26.5
	Phenanthrene	C ₁₄ H ₁₀	85-01-8	2001.6 ± 26.3
	Pyrene	C ₁₆ H ₁₀	129-00-0	2002.5 ± 27.9

Concept of Certification and traceability statement:
This certified reference material is produced by gravimetric measurement and dissolving the individual substances in Acetonitrile.

Method of certification: CRM's calibration procedure (WQP 5.15.1/2)
The certified value was obtained gravimetrically and confirmed experimentally by GC/MS or HPLC.

The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor $k = 2$, which for a normal distribution corresponds to a coverage probability of approximately 95%. The standard uncertainty of measurement has been determined in accordance with EA 4/02 and incorporates the uncertainties of the raw-material purity, the mass and the volume. Property of the result of a measurement whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties (ISO VIM⁽⁴⁾). The metrological traceability is assured through gravimetric measurement and dissolving the certified reference material from accredited according to ISO/IEC 17025⁽⁵⁾ and/or ISO Guide 34⁽⁶⁾.

The measurement results are traceable to SI. All analytical balances used for the preparation of the solution are calibrated yearly under an in-house procedure with class E1 and class E2 analytical weights, traceable to SI (DKD) and are daily checked.
Class A laboratory glassware is used.
The results from temperature measurement are traceable to SI. The thermometers used for solution's

CPAchem Ltd is accredited to ISO Guide 34 and ISO/IEC 17025

Hydrocarbon solutions

Hydrocarbons Standard Solution - 31 components

n-Decane (C10)	CAS:124-18-5	n-Docosane (C22)	CAS:629-97-0	n-Tritriacontane (C33)	CAS:630-05-7
n-Undecane (C11)	CAS:1120-21-4	n-Tricosane (C23)	CAS:638-67-5	n-Octadecane (C18)	CAS:593-45-3
n-Dodecane (C12)	CAS:112-40-3	n-Tetracosane (C24)	CAS:646-31-1	n-Tetraatriacontane (C34)	CAS:14167-59-0
n-Tridecane (C13)	CAS:629-50-5	n-Pentacosane (C25)	CAS:629-99-2	n-Pentatriacontane (C35)	CAS:630-07-9
n-Tetradecane (C14)	CAS:629-59-4	n-Hexacosane (C26)	CAS:630-01-3	n-Heptatriacontane (C37)	CAS:7194-84-5
n-Pentadecane (C15)	CAS:629-62-9	n-Octacosane (C28)	CAS:630-02-4	n-Nonatriacontane (C39)	CAS:7194-86-7
n-Hexadecane (C16)	CAS:544-76-3	n-Nonacosane (C29)	CAS:630-03-5	n-Hexatriacontane (C36)	CAS:630-06-8
n-Heptadecane (C17)	CAS:629-78-7	n-Triacontane (C30)	CAS:638-68-6	n-Octatriacontane (C38)	CAS:7194-85-6
n-Nonadecane (C19)	CAS:629-92-5	n-Hentriacontane (C31)	CAS:630-04-6	n-Tetracontane (C40)	CAS:4181-95-7
n-Eicosane (C20)	CAS:112-95-8	n-Dotriacontane (C32)	CAS:544-85-4		
n-Heneicosane (C21)	CAS:629-94-7	n-Heptacosane (C27)	CAS:593-49-7		

Solvent: n-Hexane**Volume:** ampoule 1 ml**Concentration (ug/ml):** 100**Ref.:** F112231

PAH Standards

PAH Mixture - 22 components

Naphthalene	CAS:91-20-3	Benzo(a)anthracene	CAS:56-55-3	Benzo(g,h,i)perylene	CAS: 191-24-2
Acenaphthylene	CAS:208-96-8	Chrysene	CAS:218-01-9	Dibenzo(a,h)anthracene	CAS:53-70-3
Acenaphthene	CAS:83-32-9	Benzo(b)fluoranthene	CAS:205-99-2	Dibenzo(a,i)pyrene	CAS:189-55-9
Fluorene	CAS:86-73-7	Benzo(k)fluoranthene	CAS:207-08-9	Dibenzo(a,l)pyrene	CAS:191-30-0
Phenanthrene	CAS:85-01-8	Benzo(a)pyrene	CAS:50-32-8	Dibenzo(a,e)pyrene	CAS:192-65-4
Anthracene	CAS:120-12-7	Benzo(e)pyrene	CAS:192-97-2	Dibenzo(a,h)pyrene	CAS:189-64-0
Fluoranthene	CAS:206-44-0	Perylene	CAS:198-55-0		
Pyrene	CAS:129-00-0	Indeno(1,2,3-c,d)pyrene	CAS:193-39-5		

Solvent: Dichloromethane**Volume:** ampoule 1 ml**Concentration (ug/ml):** 200**Ref.:** F872131

PAH Standard Solution - 16 components

Acenaphthene D10	CAS:15067-26-2	Benzo(g,h,i)perylene D12	CAS:93951-66-7	Indeno(1,2,3-c,d)pyrene D12	CAS:203578-33-0
Acenaphthylene D8	CAS:93951-97-4	Benzo(a)pyrene D12	CAS:63466-71-7	Naphthalene D8	CAS:1146-65-2
Anthracene D10	CAS:1719-06-8	Chrysene D12	CAS:1719-03-5	Phenanthrene D10	CAS:1517-22-2
Benzo(a)anthracene D12	CAS:1718-53-2	Dibenz(a,h)anthracene D14	CAS:13250-98-1	Pyrene D10	CAS:1718-52-1
Benzo(b)Fluoranthene D12	CAS:93951-98-5	Fluoranthene D10	CAS:93951-69-0		
Benzo(k)Fluoranthene D12	CAS:93952-01-3	Fluorene D10	CAS:81103-79-9		

Solvent: Cyclohexane**Volume:** ampoule 1 ml**Concentration (ug/ml):** 100**Ref.:** F112491

PAH Standard Solution - 18 components

Anthracene	CAS:120-12-7	Benzo(k)fluoranthene	CAS:207-08-9	Benzo(a)anthracene	CAS:56-55-3
Pyrene	CAS:129-00-0	Acenaphthylene	CAS:208-96-8	Acenaphthene	CAS:83-32-9
Benzo(g,h,i)perylene	CAS:191-24-2	Chrysene	CAS:218-01-9	Phenanthrene	CAS:85-01-8
Indeno(1,2,3-c,d)pyrene	CAS:193-39-5	2-Methyl-Fluoranthene	CAS:33543-31-6	Fluorene	CAS:86-73-7
Benzo(b)fluoranthene	CAS:205-99-2	Benzo(a)pyrene	CAS:50-32-8	Naphthalene	CAS:91-20-3
Fluoranthene	CAS:206-44-0	Dibenzo(a,h)anthracene	CAS:53-70-3	2-Methylnaphthalene	CAS:91-57-6

Solvent: Methanol**Volume:** ampoule 1 ml**Concentration (ug/ml):** 100**Ref.:** F112201

CPAchem's Most Popular Organic Mixtures

PAH Standard Solution - 16 components

Acenaphthene	CAS:83-32-9	Benzo(g,h,i)perylene	CAS:191-24-2	Indeno(1,2,3-c,d)pyrene	CAS:193-39-5
Acenaphthylene	CAS:208-96-8	Benzo(a)pyrene	CAS:50-32-8	Naphthalene	CAS:91-20-3
Anthracene	CAS:120-12-7	Chrysene	CAS:218-01-9	Phenanthrene	CAS:85-01-8
Benzo(a)anthracene	CAS:56-55-3	Dibenzo(a,h)anthracene	CAS:53-70-3	Pyrene	CAS:129-00-0
2,2'(b)fluoranthene	CAS:205-99-2	Fluoranthene	CAS:206-44-0		
Benzo(k)fluoranthene	CAS:207-08-9	Fluorene	CAS:86-73-7		

Solvent: Acetonitrile **Volume:** ampoule 1 ml **Concentration (ug/ml):** 2000 **Ref.:** F128611

PCB Mixtures

ISS PCB Mixture - 18 components

2,4,4'-Trichlorobiphenyl	CAS:7012-37-5	2,3,3',4',6-Pentachlorobiphenyl	CAS:38380-03-9	2,2',4,4',5,5'-Hexachlorobiphenyl	CAS:35065-27-1
2,2',5,5'-Tetrachlorobiphenyl	CAS:35693-99-3	2,3',4,4',5-Pentachlorobiphenyl	CAS:31508-00-6	2,2',3,3',4,4',5-Heptachlorobiphenyl	CAS:35065-30-6
2,2',3,5',6-Pentachlorobiphenyl	CAS:38379-99-6	2,2',3,4,4',5'-Hexachlorobiphenyl	CAS:35065-28-2	2,2',3,3',4',5,6-Heptachlorobiphenyl	CAS:52663-70-4
2,2',4,4',5-Pentachlorobiphenyl	CAS:38380-01-7	2,2',3,4',5,5'-Hexachlorobiphenyl	CAS:51908-16-8	2,2',3,4,4',5,5'-Heptachlorobiphenyl	CAS:35065-29-3
2,2',4,5,5'-Pentachlorobiphenyl	CAS:37680-73-2	2,2',3,4',5',6-Hexachlorobiphenyl	CAS:38380-04-0	2,2',3,4,4',5,6-Heptachlorobiphenyl	CAS:52663-69-1
2,3,3',4,4'-Pentachlorobiphenyl	CAS:32598-14-4	2,2',3,5,5',6-Hexachlorobiphenyl	CAS:52663-63-5	2,2',3,4',5,5',6-Heptachlorobiphenyl	CAS:52663-68-0

Solvent: Iso-octane **Volume:** ampoule 1 ml **Concentration (ug/ml):** 10 **Ref.:** F127881

PCBs Standard Solution - 12 components

PCB 77	CAS:32598-13-3	PCB 118	CAS:31508-00-6	PCB 157	CAS:69782-90-7
PCB 81	CAS:70362-50-4	PCB 123	CAS:65510-44-3	PCB 167	CAS:52663-72-6
PCB 105	CAS:32598-14-4	PCB 126	CAS:57465-28-8	PCB 169	CAS:32774-16-6
PCB 114	CAS:74472-37-0	PCB 156	CAS:38380-08-4	PCB 189	CAS:39635-31-9

Solvent: Iso-octane **Volume:** ampoule 1 ml **Concentration (ug/ml):** 10 **Ref.:** F127871

WHO/ISS PCB Mixture - 32 components

2,2',5-Trichlorobiphenyl	CAS:37680-65-2	2,3,3',4',6-Pentachlorobiphenyl	CAS:38380-03-9	2,3,3',4,4',5-Hexachlorobiphenyl	CAS:38380-08-4
2,4,4'-Trichlorobiphenyl	CAS:7012-37-5	2,3,4,4',5-Pentachlorobiphenyl	CAS:74472-37-0	2,3,3',4,4',5-Hexachlorobiphenyl	CAS:69782-90-7
2,4',5-Trichlorobiphenyl	CAS:16606-02-3	2,3',4,4',5-Pentachlorobiphenyl	CAS:31508-00-6	2,3',4,4',5,5'-Hexachlorobiphenyl	CAS:52663-72-6
2,2',3,5'-Tetrachlorobiphenyl	CAS:41464-39-5	2',3,4,4',5-Pentachlorobiphenyl	CAS:65510-44-3	3,3',4,4',5,5'-Hexachlorobiphenyl	CAS:32774-16-6
2,2',5,5'-Tetrachlorobiphenyl	CAS:35693-99-3	3,3',4,4',5-Pentachlorobiphenyl	CAS:57465-28-8	2,2',3,3',4,4',5-Heptachlorobiphenyl	CAS:35065-30-6
3,3',4,4'-Tetrachlorobiphenyl	CAS:32598-13-3	2,2',3,3',4,4'-Hexachlorobiphenyl	CAS:38380-07-3	2,2',3,3',4',5,6-Heptachlorobiphenyl	CAS:52663-70-4
3,4,4',5-Tetrachlorobiphenyl	CAS:70362-50-4	2,2',3,4,4',5'-Hexachlorobiphenyl	CAS:35065-28-2	2,2',3,4,4',5,5'-Heptachlorobiphenyl	CAS:35065-29-3
2,2',3,5',6-Pentachlorobiphenyl	CAS:38379-99-6	2,2',3,4',5,5'-Hexachlorobiphenyl	CAS:51908-16-8	2,2',3,4,4',5',6-Heptachlorobiphenyl	CAS:52663-69-1
2,2',4,4',5-Pentachlorobiphenyl	CAS:38380-01-7	2,2',3,4',5',6-Hexachlorobiphenyl	CAS:38380-04-0	2,2',3,4',5,5',6-Heptachlorobiphenyl	CAS:52663-68-0
2,2',4,5,5'-Pentachlorobiphenyl	CAS:37680-73-2	2,2',3,5,5',6-Hexachlorobiphenyl	CAS:52663-63-5	2,3,3',4,4',5,5'-Heptachlorobiphenyl	CAS:39635-31-9
2,3,3',4,4'-Pentachlorobiphenyl	CAS:32598-14-4	2,2',4,4',5,5'-Hexachlorobiphenyl	CAS:35065-27-1		

Solvent: Iso-octane **Volume:** ampoule 1 ml **Concentration (ug/ml):** 10 **Ref.:** F127891

Pesticide Standards

NCC Standard Solution - 17 components

Atrazine	CAS:1912-24-9	Hexazinone	CAS:51235-04-2	Monolinuron	CAS:1746-81-2
Atrazine-desethyl	CAS:6190-65-4	Isoproturon	CAS:34123-59-6	Propazine	CAS:139-40-2
Atrazine-desisopropyl	CAS:1007-28-9	Linuron	CAS:330-55-2	Sebuthylazine	CAS:7286-69-3
Chlortoluron	CAS:15545-48-9	Methabenzthiazuron	CAS:18691-97-9	Simazine (CAT)	CAS:122-34-9
Cyanazine	CAS:21725-46-2	Metobromuron	CAS:3060-89-7	Terbuthylazine	CAS:5915-41-3
Diuron	CAS:330-54-1	Metoxuron	CAS:19937-59-8		

Solvent: Acetonitrile **Volume:** ampoule 1 ml **Concentration (ug/ml):** 100 **Ref.:** F127651

Organochlorine Pesticide Mixture - 29 components

Alachlor	CAS:15972-60-8	delta-BHC	CAS:319-86-8	Etridiazole	CAS:2593-15-9
Aldrin	CAS:309-00-2	4,4'-DDT	CAS:50-29-3	Gamma-Chlordane	CAS:5103-74-2
cis-Chlordane	CAS:5103-71-9	4,4'-DDD (TDE)	CAS:72-54-8	Heptachlor	CAS:76-44-8
alpha-BHC	CAS:319-84-6	4,4'-DDE	CAS:72-55-9	Heptachlor-exo-epoxide	CAS:1024-57-3
Atrazine	CAS:1912-24-9	Dieldrin	CAS:60-57-1	Gamma-HCH (Lindane)	CAS:58-89-9
beta-BHC	CAS:319-85-7	Endosulfan-alpha	CAS:959-98-8	Methoxychlor (DMTD)	CAS:72-43-5
Chlorobenzilate	CAS:510-15-6	Endosulfan-beta	CAS:33213-65-9	trans-Nonachlor	CAS:39765-80-5
Chlorothalonil	CAS:1897-45-6	Endosulfan-total (sulfate)	CAS:1031-07-8	Permethrin	CAS:52645-53-1
Chloroneb	CAS:2675-77-6	Endrin	CAS:72-20-8	Simazine (CAT)	CAS:122-34-9
D CPA	CAS:1861-32-1	Endrin aldehyde	CAS:7421-93-4		

Solvent: Acetone **Volume:** ampoule 1 ml **Concentration (ug/ml):** 100 **Ref.:** F128751

Pesticide Mix - 17 components

Atrazine	CAS:1912-24-9	Isoproturon	CAS:34123-59-6	Metoxuron	CAS:19937-59-8
Chlortoluron	CAS:15545-48-9	Linuron	CAS:330-55-2	Monolinuron	CAS:1746-81-2
Cyanazine	CAS:21725-46-2	Metazachlor	CAS:67129-08-2	Sebuthylazine	CAS:7286-69-3
Atrazine-desethyl	CAS:6190-65-4	Methabenzthiazuron	CAS:18691-97-9	Simazine (CAT)	CAS:122-34-9
Diuron	CAS:330-54-1	Metobromuron	CAS:3060-89-7	Terbuthylazine	CAS:5915-41-3
Hexazinone	CAS:51235-04-2	Metolachlor	CAS:51218-45-2		

Solvent: Acetonitrile **Volume:** ampoule 1 ml **Concentration (ug/ml):** 10 **Ref.:** F129021

Standard Solution - 6 components

Diazinon	CAS:333-41-5	Malathion	CAS:121-75-5	Parathion-methyl	CAS:298-00-0
Ethion	CAS:563-12-2	Parathion	CAS:56-38-2	Chlorpyrifos	CAS:2921-88-2

Solvent: Methanol **Volume:** ampoule 1 ml **Concentration (ug/ml):** 100 **Ref.:** F127671

Standard Solution - 34 components

Alachlor	CAS:15972-60-8	Metazachlor	CAS:67129-08-2	Trifluralin	CAS:1582-09-8
Endosulfan-alpha	CAS:959-98-8	Oxadiazon	CAS:19666-30-9	Vinclozolin	CAS:50471-44-8
Endosulfan-beta	CAS:33213-65-9	Oxadixyl	CAS:77732-09-3	Atrazine	CAS:1912-24-9
Carbofuran	CAS:1563-66-2	Parathion	CAS:56-38-2	Atrazine-desethyl	CAS:6190-65-4
Deltamethrin	CAS:52918-63-5	Parathion-methyl	CAS:298-00-0	Terbuthylazine	CAS:5915-41-3
Terbuthylazine-desethyl	CAS:30125-63-4	Pendimethalin	CAS:40487-42-1	Propazine	CAS:139-40-2
Terbumeton-desethyl	CAS:30125-64-5	Prometryn	CAS:7287-19-6	Cyanazine	CAS:21725-46-2
Dimethenamid	CAS:87674-68-8	Sebuthylazine	CAS:7286-69-3	Atrazine-desisopropyl	CAS:1007-28-9
Dimethoate	CAS:60-51-5	Simazine (CAT)	CAS:122-34-9	Folpet	CAS:133-07-3
Ethofumesate	CAS:26225-79-6	Tebutam	CAS:35256-85-0	Metolachlor	CAS:51218-45-2
Fenpropimorph	CAS:67564-91-4	Terbumeton	CAS:33693-04-8		
Flusilazole	CAS:85509-19-9	Tri-allate	CAS:2303-17-5		

Solvent: Acetone **Volume:** ampoule 1 ml **Concentration (ug/ml):** 500 **Ref.:** F127621



CPAchem's Most Popular Organic Mixtures

Standard Solution - 54 components

Azinphos-ethyl	CAS:2642-71-9	Disulfoton	CAS:298-04-4	Metolachlor	CAS:51218-45-2
Azinphos-methyl	CAS:86-50-0	Epoxiconazole	CAS:106325-08-0	Oxadiazon	CAS:19666-30-9
Bromuconazole	CAS:116255-48-2	Esfenvalerate	CAS:66230-04-4	Paclobutrazol	CAS:76738-62-0
Bromophos-ethyl	CAS:4824-78-6	Ethion	CAS:563-12-2	Parathion	CAS:56-38-2
Bromophos-methyl	CAS:2104-96-3	Ethoprophos	CAS:13194-48-4	Parathion-methyl	CAS:298-00-0
Captan	CAS:133-06-2	Fenbuconazole	CAS:114369-43-6	Procymidone	CAS:32809-16-8
Chlorfenvinphos	CAS:470-90-6	Fenitrothion	CAS:122-14-5	Propetamphos	CAS:31218-83-4
Chlorothalonil	CAS:1897-45-6	Fenpropidin	CAS:67306-00-7	Propiconazole	CAS:60207-90-1
Chlorpyrifos	CAS:2921-88-2	Fenpropimorph	CAS:67564-91-4	Tebuconazole	CAS:107534-96-3
Chlorpyrifos methyl	CAS:5598-13-0	Fenthion	CAS:55-38-9	Terbufos	CAS:13071-79-9
Cypermethrin	CAS:52315-07-8	Fluquinconazole	CAS:136426-54-5	Triadimefon	CAS:43121-43-3
Cyprodinil	CAS:121552-61-2	Flurochloridone	CAS:61213-25-0	Tri-allate	CAS:2303-17-5
Deltamethrin	CAS:52918-63-5	Folpet	CAS:133-07-3	Trifluralin	CAS:1582-09-8
Diazinon	CAS:333-41-5	Formothion	CAS:2540-82-1	Etrimfos	CAS:38260-54-7
Dichlorvos	CAS:62-73-7	Hexaconazole	CAS:79983-71-4	Permethrin	CAS:52645-53-1
Difenoconazole	CAS:119446-68-3	lambda-Cyhalothrin	CAS:91465-08-6	Metconazole	CAS:125116-23-6
Diflufenican	CAS:83164-33-4	Malathion	CAS:121-75-5	Cyproconazole	CAS:113096-99-4
Dimethoate	CAS:60-51-5	Metazachlor	CAS:67129-08-2	Flusilazole	CAS:85509-19-9

Solvent: n-Hexane

Volume: ampoule 1 ml

Concentration (ug/ml): 1

Ref.: F127661

Triazine & Urea Pesticide Mixture - 29 components

Atrazine	CAS:1912-24-9	Terbutylazine-desethyl	CAS:30125-63-4	Terbutylazine	CAS:5915-41-3
Atrazine-desethyl	CAS:6190-65-4	Methabenzthiazuron	CAS:18691-97-9	Linuron	CAS:330-55-2
Atrazine-desisopropyl	CAS:1007-28-9	Chlortoluron	CAS:15545-48-9	Chloroxuron	CAS:1982-47-4
Metamitron	CAS:41394-05-2	Monolinuron	CAS:1746-81-2	Prometryn	CAS:7287-19-6
Chloridazon	CAS:1698-60-8	Diuron	CAS:330-54-1	Chlorpropham	CAS:101-21-3
Metoxuron	CAS:19937-59-8	Isoproturon	CAS:34123-59-6	Terbutryn	CAS:886-50-0
Carbetamide	CAS:16118-49-3	Metobromuron	CAS:3060-89-7	Metolachlor	CAS:51218-45-2
Bromacil	CAS:314-40-9	Metazachlor	CAS:67129-08-2	Ethofumesate	CAS:26225-79-6
Simazine (CAT)	CAS:122-34-9	Propazine	CAS:139-40-2	Ethidimuron	CAS:30043-49-3
Cyanazine	CAS:21725-46-2	Dimefuron	CAS:34205-21-5		

Solvent: Acetonitrile

Volume: ampoule 1 ml

Concentration (ug/ml): 100

Ref.: F128821

Volatile and Semi-volatile Mixtures

34 components; 200ug/ml

Bromochloromethane	CAS:74-97-5	1,1-Dichloroethane	CAS:75-34-3	Methylene chloride	CAS:75-09-2
Bromodichloromethane	CAS:75-27-4	1,2-Dichloroethane	CAS:107-06-2	1,1,1,2-Tetrachloroethane	CAS:630-20-6
Bromoform	CAS:75-25-2	1,1-Dichloroethene	CAS:75-35-4	1,1,2,2-Tetrachloroethane	CAS:79-34-5
Carbon tetrachloride	CAS:56-23-5	cis-1,2-Dichloroethene	CAS:156-59-2	Tetrachloroethene	CAS:127-18-4
Chloroethane	CAS:75-00-3	trans-1,2-Dichloroethene	CAS:156-60-5	1,1,1-Trichloroethane	CAS:71-55-6
Chloroform	CAS:67-66-3	1,2-Dichloropropane	CAS:78-87-5	1,1,2-Trichloroethane	CAS:79-00-5
Chloromethane	CAS:74-87-3	1,3-Dichloropropane	CAS:142-28-9	Trichloroethene	CAS:79-01-6
Dibromochloromethane	CAS:124-48-1	2,2-Dichloropropane	CAS:594-20-7	Trichlorofluoromethane	CAS:75-69-4
1,2-Dibromo-3-chloropropane	CAS:96-12-8	1,1-Dichloropropene	CAS:563-58-6	1,2,3-Trichloropropane	CAS:96-18-4
1,2-Dibromoethane	CAS:106-93-4	cis-1,3-Dichloropropene	CAS:10061-01-5	Vinyl chloride	CAS:75-01-4
Dibromomethane	CAS:74-95-3	trans-1,3-Dichloropropene	CAS:10061-02-6		
Dichlorodifluoromethane	CAS:75-71-8	Hexachlorobutadiene	CAS:87-68-3		

Solvent: Methanol

Volume: ampoule 1 ml

Concentration (ug/ml): 200

Ref.: F112991

CPAchem's Most Popular Organic Mixtures

Base/Neutrals Surrogate Standard Mixture - 3 components

2-Fluorobiphenyl	CAS:321-60-8	Nitrobenzene D5	CAS:4165-60-0	p-Terphenyl D14	CAS:1718-51-0
Solvent: Dichloromethane	Volume: ampoule 1 ml	Concentration (ug/ml): 1000	Ref.: F867791		

VOC Standard Solution - 47 components

Benzene	CAS:71-43-2	1,4-Dichlorobenzene	CAS:106-46-7	Naphthalene	CAS:91-20-3
Bromochloromethane	CAS:74-97-5	Dichlorodifluoromethane	CAS:75-71-8	Styrene	CAS:100-42-5
Bromodichloromethane	CAS:75-27-4	1,1-Dichloroethane	CAS:75-34-3	1,1,1,2-Tetrachloroethane	CAS:630-20-6
Bromoform	CAS:75-25-2	1,2-Dichloroethane	CAS:107-06-2	1,1,2,2-Tetrachloroethane	CAS:79-34-5
Bromomethane	CAS:74-83-9	1,1-Dichloroethene	CAS:75-35-4	Tetrachloroethene	CAS:127-18-4
Carbon tetrachloride	CAS:56-23-5	cis-1,2-Dichloroethene	CAS:156-59-2	Toluene	CAS:108-88-3
Chlorobenzene	CAS:108-90-7	trans-1,2-Dichloroethene	CAS:156-60-5	1,2,4-Trichlorobenzene	CAS:120-82-1
Chlorodibromomethane	CAS:124-48-1	1,2-Dichloropropane	CAS:78-87-5	1,1,1-Trichloroethane	CAS:71-55-6
Chloroethane	CAS:75-00-3	1,3-Dichloropropane	CAS:142-28-9	1,1,2-Trichloroethane	CAS:79-00-5
Chloroform	CAS:67-66-3	2,2-Dichloropropane	CAS:594-20-7	Trichloroethene	CAS:79-01-6
Chloromethane	CAS:74-87-3	cis-1,3-Dichloropropene	CAS:10061-01-5	Trichlorofluoromethane	CAS:75-69-4
1,2-Dibromo-3-chloropropane	CAS:96-12-8	trans-1,3-Dichloropropene	CAS:10061-02-6	1,2,3-Trichloropropane	CAS:96-18-4
1,2-Dibromoethane	CAS:106-93-4	Ethylbenzene	CAS:100-41-4	Vinylchloride	CAS:75-01-4
Dibromomethane	CAS:74-95-3	Hexachlorobutadiene	CAS:87-68-3	o-Xylene	CAS:95-47-6
1,2-Dichlorobenzene	CAS:95-50-1	Isopropylbenzene	CAS:98-82-8	m-Xylene	CAS:108-38-3
1,3-Dichlorobenzene	CAS:541-73-1	Methylene chloride	CAS:75-09-2	p-Xylene	CAS:106-42-3

Solvent: Methanol **Volume:** ampoule 1 ml **Concentration (ug/ml):** 200 **Ref.:** F119241

VOC Standard Solution - 59 components

Bromochloromethane	CAS:74-97-5	Styrene	CAS:100-42-5	Hexachlorobutadiene	CAS:87-68-3
Bromodichloromethane	CAS:75-27-4	Toluene	CAS:108-88-3	1,2,3-Trichloropropane	CAS:96-18-4
Bromoform	CAS:75-25-2	1,2,4-Trimethylbenzene	CAS:95-63-6	Benzene	CAS:71-43-2
Carbon tetrachloride	CAS:56-23-5	1,3,5-Trimethylbenzene	CAS:108-67-8	n-Butylbenzene	CAS:104-51-8
Chloroform	CAS:67-66-3	o-Xylene	CAS:95-47-6	sec-Butylbenzene	CAS:135-98-8
Dibromochloromethane	CAS:124-48-1	m-Xylene	CAS:108-38-3	tert-Butylbenzene	CAS:98-06-6
Dibromomethane	CAS:74-95-3	p-Xylene	CAS:106-42-3	Ethylbenzene	CAS:100-41-4
Methylene chloride	CAS:75-09-2	Bromobenzene	CAS:108-86-1	Isopropylbenzene	CAS:98-82-8
1,2-Dibromoethane	CAS:106-93-4	Chlorobenzene	CAS:108-90-7	4-Chlorotoluene	CAS:106-43-4
1,1-Dichloroethane	CAS:75-34-3	2-Chlorotoluene	CAS:95-49-8	1,2-Dichlorobenzene	CAS:95-50-1
1,2-Dichloroethane	CAS:107-06-2	1,1,1-Trichloroethane	CAS:71-55-6	1,3-Dichlorobenzene	CAS:541-73-1
1,1-Dichloroethene	CAS:75-35-4	1,1,2-Trichloroethane	CAS:79-00-5	1,4-Dichlorobenzene	CAS:106-46-7
cis-1,2-Dichloroethene	CAS:156-59-2	Trichloroethene	CAS:79-01-6	1,2,3-Trichlorobenzene	CAS:87-61-6
trans-1,2-Dichloroethene	CAS:156-60-5	1,2-Dibromo-3-chloropropane	CAS:96-12-8	1,2,4-Trichlorobenzene	CAS:120-82-1
1,1,1,2-Tetrachloroethane	CAS:630-20-6	1,2-Dichloropropane	CAS:78-87-5	Chloroethane	CAS:75-00-3
1,1,2,2-Tetrachloroethane	CAS:79-34-5	1,3-Dichloropropane	CAS:142-28-9	Chloromethane	CAS:74-87-3
Tetrachloroethene	CAS:127-18-4	2,2-Dichloropropane	CAS:594-20-7	Dichlorodifluoromethane	CAS:75-71-8
4-Isopropyltoluene	CAS:99-87-6	1,1-Dichloropropene	CAS:563-58-6	Trichlorofluoromethane	CAS:75-69-4
Naphthalene	CAS:91-20-3	cis-1,3-Dichloropropene	CAS:10061-01-5	Vinylchloride	CAS:75-01-4
n-Propylbenzene	CAS:103-65-1	trans-1,3-Dichloropropene	CAS:10061-02-6		

Solvent: Methanol **Volume:** ampoule 1 ml **Concentration (ug/ml):** 2000 **Ref.:** F112751A



CPAchem's Most Popular Organic Mixtures

VOC Standard Solution - 60 components

1,1,1,2-Tetrachloroethane	CAS:630-20-6	200 ug/ml	Dibromochloromethane	CAS:124-48-1	200 ug/ml
1,1,1-Trichloroethane	CAS:71-55-6	200 ug/ml	Dibromomethane	CAS:74-95-3	200 ug/ml
1,1,2,2-Tetrachloroethane	CAS:79-34-5	200 ug/ml	Dichloromethane	CAS:75-09-2	200 ug/ml
1,1,2-Trichloroethane	CAS:79-00-5	200 ug/ml	Hexachloroethane	CAS:67-72-1	200 ug/ml
1,1-Dichloropropene	CAS:563-58-6	200 ug/ml	Tetrachloroethene	CAS:127-18-4	200 ug/ml
1,1-Dichloroethane	CAS:75-34-3	200 ug/ml	Tetrachloromethane	CAS:56-23-5	200 ug/ml
1,1-Dichloroethene	CAS:75-35-4	200 ug/ml	Trichloroethene	CAS:79-01-6	200 ug/ml
1,2,3-Trichlorobenzene	CAS:87-61-6	200 ug/ml	Benzene	CAS:71-43-2	200 ug/ml
1,2,4-Trichlorobenzene	CAS:120-82-1	200 ug/ml	Ethylbenzene	CAS:100-41-4	200 ug/ml
1,2-Dibromo-3-chloropropane	CAS:96-12-8	200 ug/ml	Isopropylbenzene	CAS:98-82-8	200 ug/ml
1,2-Dibromoethane	CAS:106-93-4	200 ug/ml	o-Xylene	CAS:95-47-6	200 ug/ml
1,2-Dichlorobenzene	CAS:95-50-1	200 ug/ml	m-Xylene	CAS:108-38-3	200 ug/ml
1,2-Dichloroethane	CAS:107-06-2	200 ug/ml	p-Xylene	CAS:106-42-3	200 ug/ml
cis-1,2-Dichloroethene	CAS:156-59-2	200 ug/ml	Styrene	CAS:100-42-5	200 ug/ml
trans-1,2-Dichloroethene	CAS:156-60-5	200 ug/ml	Toluene	CAS:108-88-3	200 ug/ml
1,2-Dichloropropane	CAS:78-87-5	200 ug/ml	2,3-Dichloro-1-propene	CAS:78-88-6	200 ug/ml
1,3,5-Trichlorobenzene	CAS:108-70-3	200 ug/ml	n-Propylbenzene	CAS:103-65-1	200 ug/ml
1,3-Dichlorobenzene	CAS:541-73-1	200 ug/ml	tert-Butylbenzene	CAS:98-06-6	200 ug/ml
1,3-Dichloropropane	CAS:142-28-9	200 ug/ml	1,2,3-Trimethylbenzene	CAS:526-73-8	200 ug/ml
cis-1,3-Dichloropropene	CAS:10061-01-5	200 ug/ml	1,2,4-Trimethylbenzene	CAS:95-63-6	200 ug/ml
trans-1,3-Dichloropropene	CAS:10061-02-6	200 ug/ml	1,3,5-Trimethylbenzene	CAS:108-67-8	200 ug/ml
1,4-Dichlorobenzene	CAS:106-46-7	200 ug/ml	sec-Butylbenzene	CAS:135-98-8	200 ug/ml
Chloroprene	CAS:126-99-8	200 ug/ml	4-Isopropyltoluene	CAS:99-87-6	200 ug/ml
3-Chloropropene	CAS:107-05-1	200 ug/ml	2-Chlorotoluene	CAS:95-49-8	200 ug/ml
Bromochloromethane	CAS:74-97-5	200 ug/ml	3-Chlorotoluene	CAS:108-41-8	200 ug/ml
Bromodichloromethane	CAS:75-27-4	200 ug/ml	4-Chlorotoluene	CAS:106-43-4	200 ug/ml
Tribromomethane	CAS:75-25-2	200 ug/ml	n-Butylbenzene	CAS:104-51-8	200 ug/ml
Chlorobenzene	CAS:108-90-7	200 ug/ml	Bromobenzene	CAS:108-86-1	200 ug/ml
Vinylchloride	CAS:75-01-4	200 ug/ml	Naphthalene	CAS:91-20-3	200 ug/ml
Chloroform	CAS:67-66-3	200 ug/ml	Hexachloro-1,3-butadiene	CAS:87-68-3	50 ug/ml

Solvent: Methanol

Volume: ampoule 1 ml

Ref.: F127701

Quotation Request

Custom-made Organic Mixture

Please send this form by fax or post (photocopy for repeat use)
or go to www.cpachem.com/custom/organic.

Name: Tel.:

Company: Fax:

Address:

E-mail:

Mixture description

Solvent: Number of components:

Volume per ampoule in ml: Number of ampoules:

Compound name	CAS number	Conc.	Compound name	CAS number	Conc.

Additional Comments:

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The logo for CPAchem features the text "CPAchem" in a bold, sans-serif font. The text is white and is set against a dark orange, horizontally-oriented oval shape that has a slight gradient and a white swoosh-like element on its right side.

CPAchem

www.cpachem.com

Contact us at:

mobile: (+359) 886 796501

Tel./fax: (+359) 42 607716

E-mail: info@cpachem.com

sales@cpachem.com

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