ORGANIC STANDARDS

TOP SELLERS

CPA chem

The experts in custom-made Certified Reference Materials

ISO 17034 ISO/IEC 17025 ISO 9001

www.cpachem.com

CPAchem

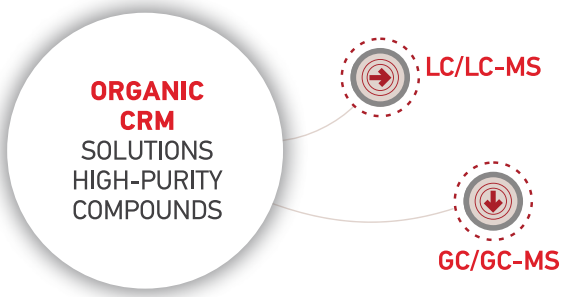
- **CPAchem** is a Bulgarian-French company, founded in 2001 when it started offering custom-made standards, prepared to specific customer requirements;
- Nowadays more than 7000 laboratories worldwide use products manufactured both under CPAchem's own brand name or under private labels - since 2002 the quality of CPAchem's products has enabled the company to become and remain an OEM manufacturer for large international suppliers

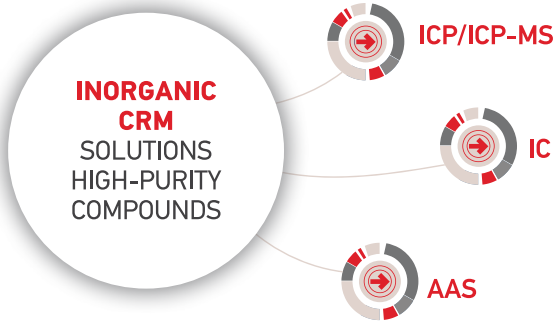
CPAchem in brief

2020	Certification according to ISO 17025 and ISO 17034 of the Pharmacopoeia products (European, British, US, Japanese, Chinese, Indian and International) – available upon request Started offering TIC&TOC, TDS, Alkalinity, Total hardness, Pt-Co/Hazen and UV-VIS standards as CRM
2019	Moved to its new building with 5400 square meters (58 125 square feet) modern manufacturing and R&D laboratories, storage, office and recreational space Started offering organic substances with certified weight
2018	ISO 17034 accredited Started production of turbidity standards, Chinese Pharmacopoeia products
2017	Started production of Karl Fischer standards
2016	Started production of inorganic substances
2015	Started production of organic substances
2014	ISO 17025 (testing laboratory), ISO Guide 34 (CRM producer) accredited
2012	Started production of standards according to US, British, Indian, Japanese and International Pharmacopoeia
2005	Started production of organic standards
2003	Started production of standards according to European Pharmacopoeia
2002	ISO 9001 certified
2001	Founded, started producing and offering custom multi-component inorganic solutions

PRODUCT PORTFOLIO

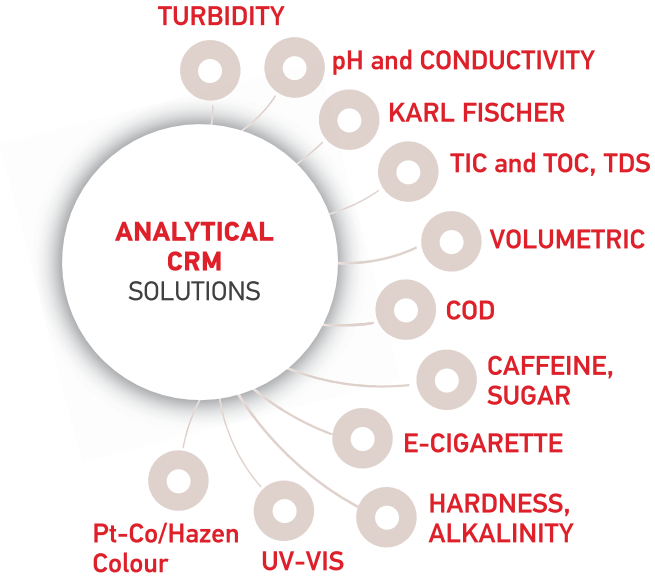
CPAchem produces both Organic and Inorganic Certified Reference materials.

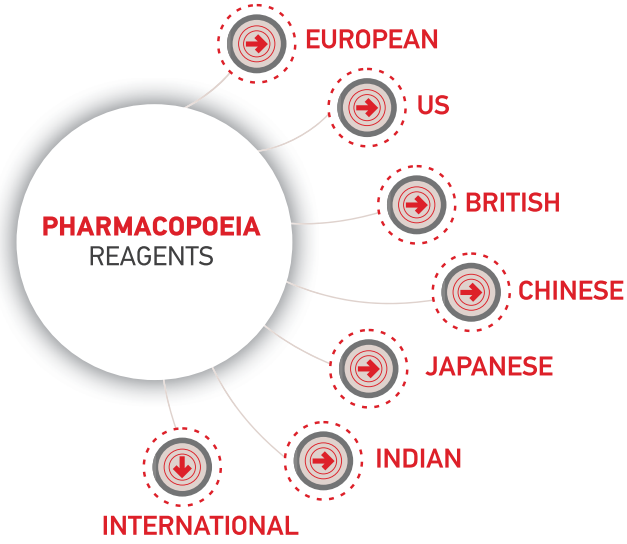




Decades of experience are brought in the production of certified reference materials to various analytical techniques.

CPAchem is the only producer in the world offering products according to seven different pharmacopoeias. Pharmacopoeia reagents are prepared according to the latest Pharmacopoeia edition recipes.





CUSTOM PRODUCTS

CPAchem is the world leader in production of Custom-made standards, which are prepared to exactly match clients' needs and give them opportunities to quickly achieve their goals.

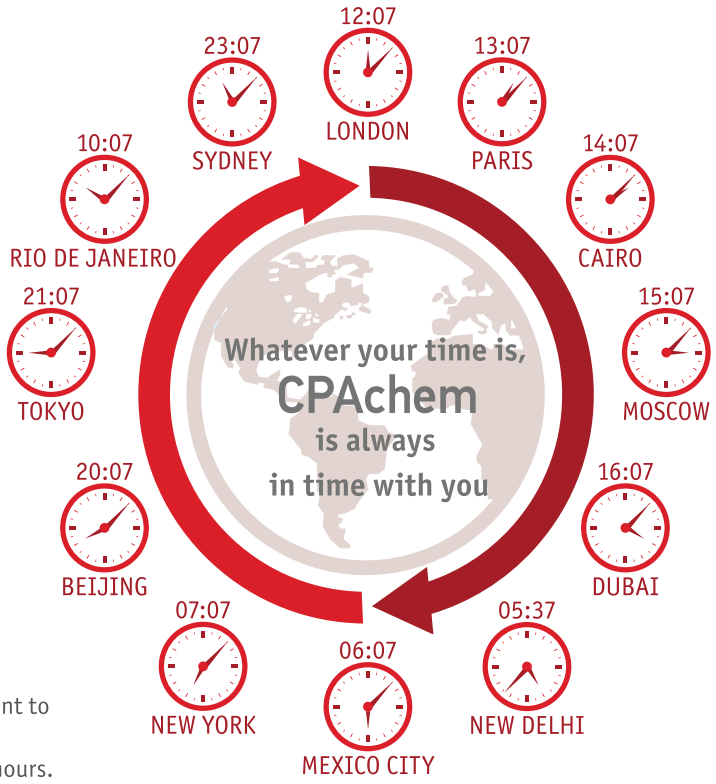
Custom-made products specifications include: various components, various component concentrations, various matrices, various packaging.

Cost-effective solutions	Short lead time for preparation	2-5 business days delivery	24 hour Emergency orders

TECHNOLOGY

CPAchem relies mainly on a very knowledgeable and creative team of chemists who together with software engineers developed unique Computer-Aided Manufacturing software which performs and controls the whole production process. The company has been constantly investing in high-tech apparatus.

All these guarantee that CPAchem is always in time with its customers.



All customer inquiries sent to
sales@cpachem.com
are answered within 24 hours.

ACCREDITATION AND QUALITY

CPAchem has the highest achievable quality level for reference material producers with one of the broadest accreditation scopes in the world.

ANAB
ANSI National Accreditation Board
ACCREDITED
ISO 17034
REFERENCE MATERIAL PRODUCER

ANAB
ANSI National Accreditation Board
ACCREDITED
ISO/IEC 17025
TESTING LABORATORY

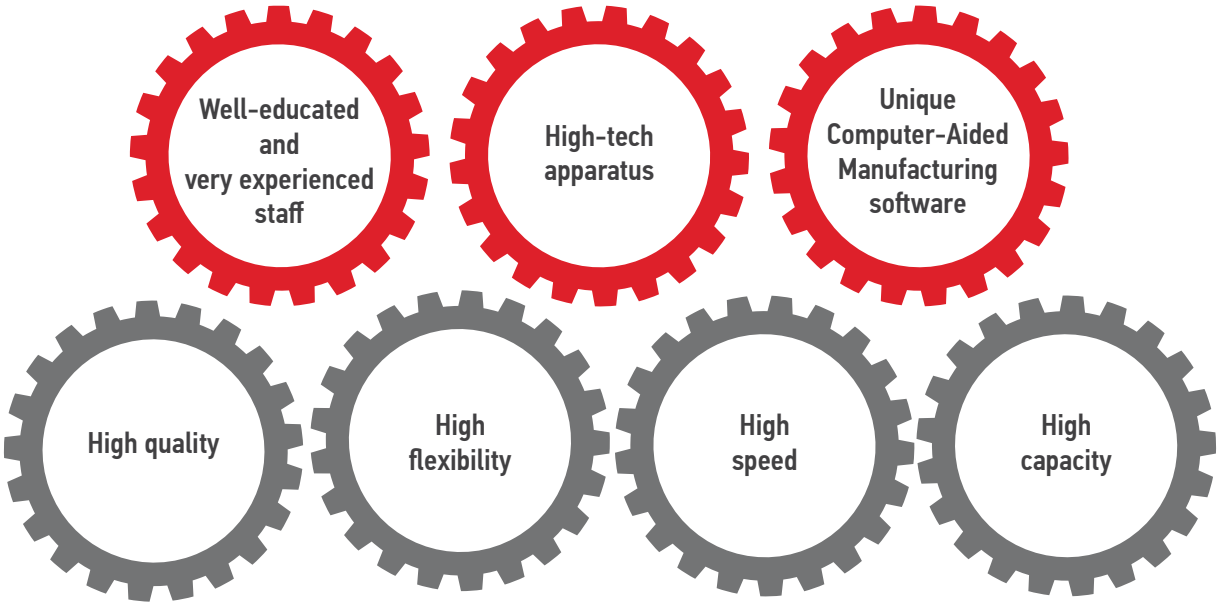
CERTIFIED
ISO 9001
UKAS MANAGEMENT SYSTEMS
001

The main priority of CPAchem's management is to guarantee the best professional practice and quality throughout all stages of the production process, storage and distribution. The biggest proof for the quality of our products is that the percentage of valid claims has always been kept below 0.3%.

What makes CPAchem different as a CRM producer?

- We answer every inquiry extremely fast – within the same day, not later than 24 hours
- We produce and ship an order (incl. for custom-made products) within 3-7 working days and process emergency orders within 24 hours when it is needed
- High capacity – ability to produce more than 200 different custom-made products per day without volume and quantity limits
- We guarantee high-quality of products – the number of valid claims has never exceeded 0.3% of the total number of orders per year
- CPAchem has the widest accreditation scope in the industry
- The control of all processes is fully automated by our dedicated Computer Aided Manufacturing (CAM) software
- The software system performs and controls the whole working process:
    - starting from the raw materials' incoming control through
    - products preparation
    - certified values and uncertainties budget calculation
    - certificates generation
    - packaging and expedition

What are CPAchem's main advantages?



CPAchem Organic Standards Certification

Fully in tune with our company's philosophy we have been constantly trying to make our certificates more precise, detailed and easily accessible, meeting even the toughest demands of every user.

Get it online, be green

The users could access 24/7 each product's certificate and download it from our web-site simply using the QR code printed on products' labels;

Sample CoAs for all stock products are also available on the web-site

Main certificates features

- The Certificates of analysis of organic CRMs 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
- The certified value(s) are obtained gravimetrically and confirmed experimentally by GC/MS or HPLC
- The CoAs provide full traceability of preparation. The dissolution of the raw materials (with their purity), passing through the preparation of the intermediate solutions and reaching to the preparation of the final solutions is described in section Additional Information
- All products lot numbers are unique and are related to given distributor's order
- Each solution is barcode identified. The barcodes determine products batches
- The shelf-life starts on the date the product is sent to the customer, i.e. customers always receive products with 100% shelf-life
- The latest option for high-purity organic compounds certification is that on clients' demand the exact weight of the compounds could be certified

MSDS

All products Safety Data Sheets could be accessed and downloaded from our web-page. The information is available in all most used languages. Altogether our language database includes 20 different languages.

CERTIFICATION EXAMPLE

CERTIFIED REFERENCE MATERIAL

Trihalomethanes Standard Solution - 4 components (EPA 501)
200ug/ml each of Bromodichloromethane [CAS:75-27-4] ; Tribromomethane (Bromoform) [CAS:75-25-2] ; Dibromochloromethane [CAS:124-48-1] ; Chloroform [CAS:67-66-3] in Methanol

Lot N: 681922 **Ref N:** F112721 **Certification Date:** 12.02.2020
Barcode: 92605732

Component	Certified Value* and uncertainty [µg/ml]	CAS	Chemical Formula
Bromodichloromethane	201.30 ± 1.94	75-27-4	CHBrCl2
Bromoform (Tribromomethane)	200.01 ± 2.72	75-25-2	CHBr3
Dibromochloromethane	201.06 ± 2.15	124-48-1	CHBr2Cl
Chloroform	203.98 ± 2.21	67-66-3	CHCl3

**** WQP 5.15.1/2 The certified value was obtained gravimetrically and confirmed experimentally by GC/MS or HPLC Density 0.7918 g/cm3 at 20°C***

Starting Material	Purity, Batch
Bromodichloromethane	98.8% (41283431)
Bromoform (Tribromomethane)	99.5% (41312377)
Dibromochloromethane	98.3% (41299241)
Chloroform	99.9% (41313800)

Storage Conditions: Store in a refrigerator at temperatures between 2°C to 8°C

Expiry Date: 12.03.2022

Concept of Certification and traceability statement:
This certified reference material is produced by gravimetric measurement and dissolving the individual substances in Methanol .
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.
The metrological traceability is defined as the "property of a measurement result whereby the result can be related to a reference through a documented unbroken chain of calibrations, each contributing to the measurement uncertainty".
The metrological traceability is ensured through gravimetric measurement and dissolving of certified reference material/s (traceable to SI) from laboratories/producers, accredited according to ISO 17034.
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 checked daily.
Class A laboratory glassware is used.
The results from temperature measurement are traceable to SI. The thermometers used for solution's calibration are calibrated from an ISO 17025 accredited laboratory. The ambient conditions are controlled with a hygrometer calibrated from an ISO 17025 accredited laboratory.

CERTIFICATION EXAMPLE

Both, purity of the starting materials and solvent, were checked using appropriate analytical instrument.
Intended use: For Laboratory Use Only
This CRM is intended for:
Calibration of TLC, GC/FID, GC/TCD, GC/ECD, GC/MS, GC/MS/MS, LC/UV, LC/MS and LC/MS/MS
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 certified reference material:
This CRM can be used directly or can be diluted in an appropriate solvent. 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. For quantitative analysis, we recommend analyzing this mixture separately, without mixing it with other solutions, to ensure accurate results for every compound.

Stability and storage:
This CRM is with a guaranteed stability until ±5% of the certified concentration for a period of 24 months. Stability is guaranteed of an unopened original packaging stored, as written in the section: Storage Conditions. Even if the product is stable at normal laboratory conditions, in order to increase its stability, we highly recommend it to be stored in a refrigerator.
The product should be used shortly after opening to avoid concentration changes due to evaporation. Warranty does not apply to a product stored after opening.

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 in a safety data sheet.

Level of homogeneity
This solution was mixed according to an in-house procedure (MQP 5.13.1) and is guaranteed to be homogeneous.
To ensure sufficient homogeneity of the sample prior to use thoroughly mix by inversion or sonicate.

Names of certifying officers:
Laboratory:
Manager:

This document QF 5.17.1/1 version 1 is designed and the certified value(s) and uncertainty(ies) are determined in accordance with ISO Guide 31, ISO Guide 35,and Eurachem / CITAC Guides

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.

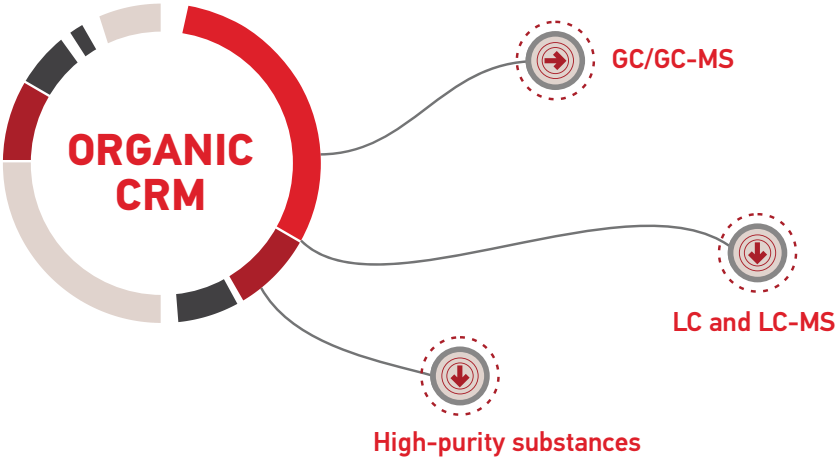
This Certified Reference Material was produced under a quality management system that is:
- Registered to ISO 9001 Quality Management System (Lloyd's Register Quality Assurance Ltd Cert No 0039638)
- Accredited according to ISO/IEC 17025 – Testing (ANAB Cert No AT-1836)
- Accredited according to ISO 17034 - Reference Material Producer (ANAB Cert No AR-1835)

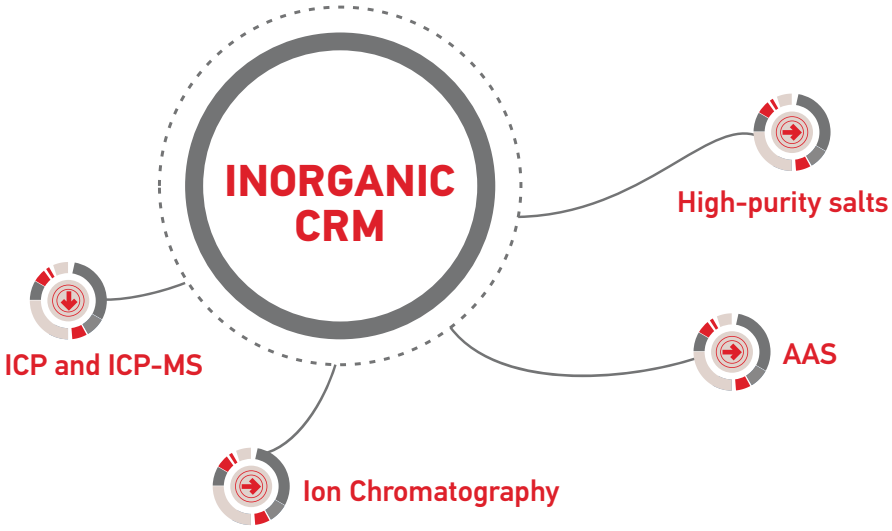
Additional Information
Gravimetric Data

Component Purity	Purity %	Source Lot No	Weighed quantity, g	Final quantity, $kg.10^{-3}$	Bulk/Standard Solution lot No	Concen-tration mg/kg	Chemist ID
Bromodichloromethane	98.8	41283431	0.09422	2.3307	91593825	39940.000	AS
		91593825	0.12600	19.7946	92605732	254.235	DG
Bromoform (Tribromomethane)	99.5	41312377	0.01820	2.8560	91592804	6340.600	AS
		91592804	0.78860	19.7946	92605732	252.606	DG
Dibromochloromethane	98.3	41299241	0.03435	3.4259	91585943	9856.100	AS
		91585943	0.51000	19.7946	92605732	253.939	DG
Chloroform	99.9	41313800	0.03267	3.3536	91579577	9732.000	AS
		91579577	0.52400	19.7946	92605732	257.626	DG

BROWSE PRODUCTS AND PRICES

As CPAchem has been constantly adding products to its portfolio, browse the actual products and prices at www.cpachem.com





CUSTOM ORGANIC PODUCTS INQUIRIES

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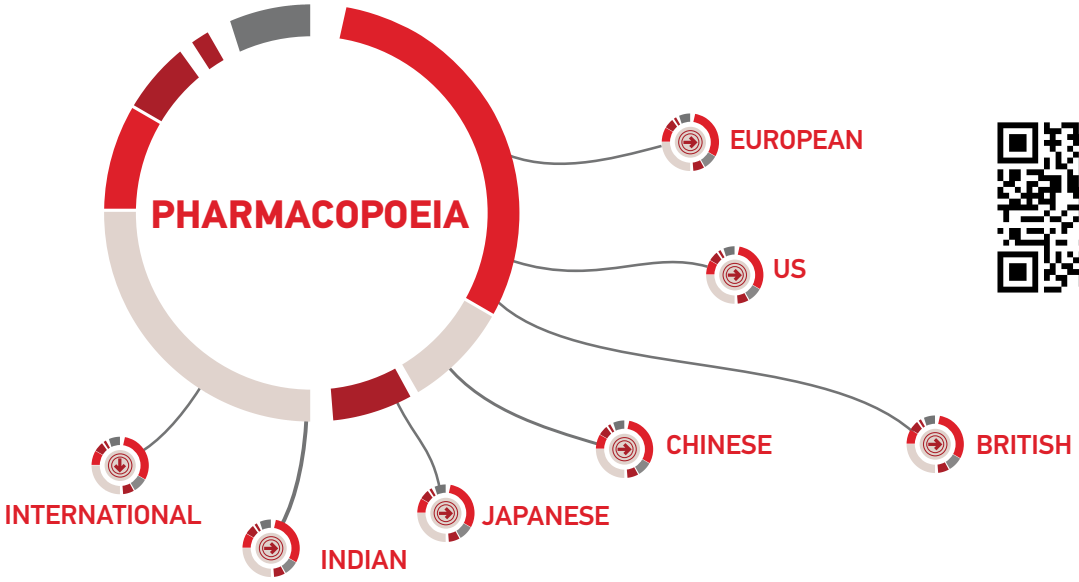

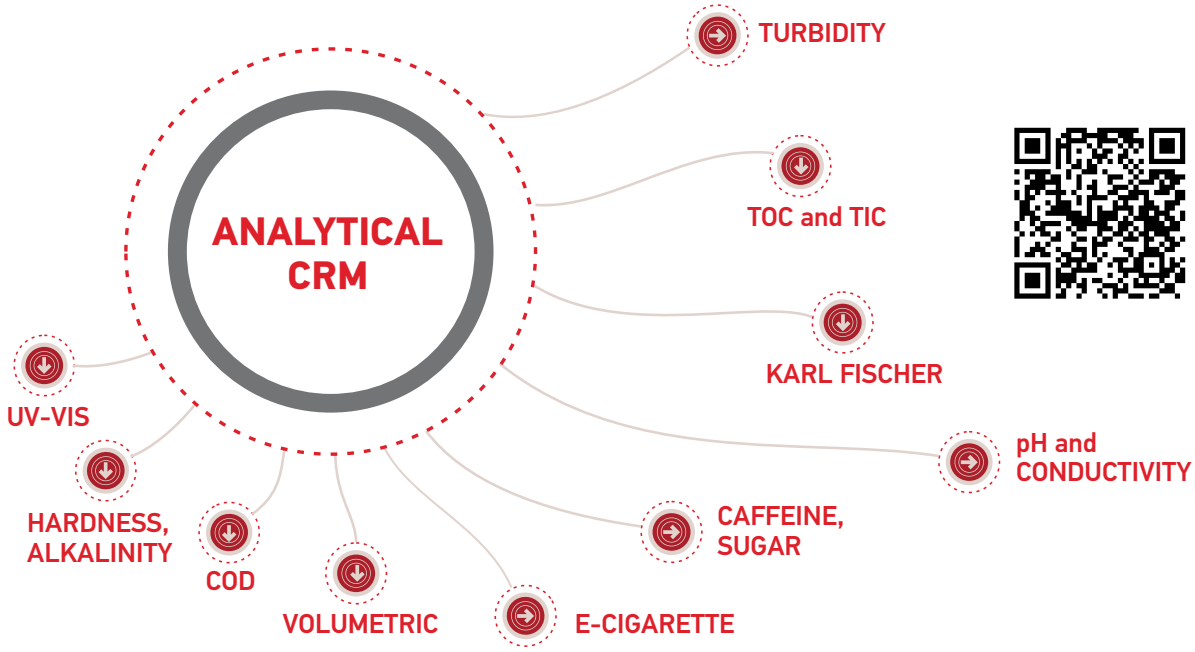

CUSTOM ANALYTICAL PODUCTS INQUIRIES

CPAchem's ORGANIC STANDARDS TOP SELLERS

This catalogue lists only top selling organic standards, for the full list of CPAchem's organic standards, please go to our web-page - **https://www.cpachem.com/shop/organic** where if you could not find a suitable stock product, could send us easily your inquiry for a custom organic standard, matching your exact needs.

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Residual Pesticide Standards

Ref. Number	Description	Volume	Msr. Unit	Shelf-life (months)	ISO 17034 ISO 17025
F440000	KIT of 203 components grouped in 9 separate mixtures - F440001, F440002, F440003, F440004, F440005, F440006, F440007, F440008 and F440009. Each mixture is supplied in 1 ampoule of 1ml. The individual mixtures can also be purchased separately.	9	ml	18	Yes
F440001	Multiresidue Pesticide Standard (Mix 1) - 16 components; 100ug/ml each of Azinphos-ethyl [CAS:2642-71-9] ; Azinphos-methyl [CAS:86-50-0] ; Chlorpyrifos [CAS:2921-88-2] ; Chlorpyrifos methyl [CAS:5598-13-0] ; Diazinon [CAS:333-41-5] ; EPN [CAS:2104-64-5] ; Fenitrothion [CAS:122-14-5] ; Isazofos [CAS:42509-80-8] ; Phosalone [CAS:2310-17-0] ; Phosmet [CAS:732-11-6] ; Pirimiphos-ethyl [CAS:23505-41-1] ; Pirimiphos-methyl [CAS:29232-93-7] ; Pyraclofos [CAS:89784-60-1] ; Pyrazophos [CAS:13457-18-6] ; Pyridaphenthion [CAS:119-12-0] ; Quinalphos [CAS:13593-03-8] in Toluene	1	ml	18	Yes
F440002	Multiresidue Pesticide Standard (Mix 2) - 40 components; 100ug/ml each of Aldrin [CAS:309-00-2] ; Alpha-HCH [CAS:319-84-6] ; Beta-HCH [CAS:319-85-7] ; Delta-HCH [CAS:319-86-8] ; Gamma-HCH (Lindane) [CAS:58-89-9] ; Chlorbenside [CAS:103-17-3] ; cis-Chlordane [CAS:5103-71-9] ; trans-Chlordane [CAS:5103-74-2] ; Chlorfenson [CAS:80-33-1] ; Chloroneb [CAS:2675-77-6] ; 2,4'-DDD [CAS:53-19-0] ; 4,4'-DDD (TDE) [CAS:72-54-8] ; 2,4'-DDE [CAS:3424-82-6] ; 4,4'-DDE [CAS:72-55-9] ; 2,4'-DDT [CAS:789-02-6] ; 4,4'-DDT [CAS:50-29-3] ; 4,4'-Dichlorobenzophenone [CAS:90-98-2] ; Dieldrin [CAS:60-57-1] ; Endosulfan-alpha [CAS:959-98-8] ; Endosulfan-beta [CAS:33213-65-9] ; Endosulfan-ether [CAS:3369-52-6] ; Endosulfan-total (sulfate) [CAS:1031-07-8] ; Endrin [CAS:72-20-8] ; Endrin aldehyde [CAS:7421-93-4] ; Endrin ketone [CAS:53494-70-5] ; Perthane [CAS:72-56-0] ; Fenson [CAS:80-38-6] ; Heptachlor [CAS:76-44-8] ; Heptachlor-exo-epoxide [CAS:1024-57-3] ; Hexachlorobenzene [CAS:118-74-1] ; Isodrin [CAS:465-73-6] ; o,p'-Methoxychlor-olefin [CAS:30667-99-3] ; 4,4Â´-Methoxychlor olefin [CAS:2132-70-9] ; Mirex [CAS:2385-85-5] ; cis-Nonachlor [CAS:5103-73-1] ; trans-Nonachlor [CAS:39765-80-5] ; Pentachloroanisole [CAS:1825-21-4] ; Pentachlorobenzene [CAS:608-93-5] ; Methyl-pentachlorophenyl sulfide [CAS:1825-19-0] ; Tetradifon [CAS:116-29-0] in Toluene	1	ml	18	Yes

Ref. Number	Description	Volume	Msr. Unit	Shelf-life (months)	ISO 17034 ISO 17025
F440003	Multiresidue Pesticide Standard (Mix 3) - 25 components; 100ug/ml each of Benfluralin [CAS:1861-40-1] ; Biphenyl [CAS:92-52-4] ; Chlorothalonil [CAS:1897-45-6] ; Dichlofluanid [CAS:1085-98-9] ; Dicloran [CAS:99-30-9] ; 3,4-Dichloroaniline [CAS:95-76-1] ; Dichlobenil [CAS:1194-65-6] ; Diphenylamine [CAS:122-39-4] ; Ethalfluralin [CAS:55283-68-6] ; Fluchloralin [CAS:33245-39-5] ; Isopropalin [CAS:33820-53-0] ; Nitralin [CAS:4726-14-1] ; Nitrofen [CAS:1836-75-5] ; Oxyfluorfen [CAS:42874-03-3] ; Pendimethalin [CAS:40487-42-1] ; Pentachloroaniline [CAS:527-20-8] ; Pentachlorobenzonitrile [CAS:20925-85-3] ; Quintozene [CAS:82-68-8] ; Prodiamine [CAS:29091-21-2] ; Profluralin [CAS:26399-36-0] ; 2,3,5,6-Tetrachloroaniline [CAS:3481-20-7] ; Tecnazene [CAS:117-18-0] ; cis-1,2,3,6-Tetrahydrophthalimide [CAS:1469-48-3] ; Tolylfluanid [CAS:731-27-1] ; Trifluralin [CAS:1582-09-8] in Toluene / Acetonitrile (99/1)	1	ml	18	Yes
F440004	Multiresidue Pesticide Standard (Mix 4) - 28 components; 100ug/ml each of Acetochlor [CAS:34256-82-1] ; Alachlor [CAS:15972-60-8] ; Allidochlor [CAS:93-71-0] ; Clomazone [CAS:81777-89-1] ; Cycloate [CAS:1134-23-2] ; Diallate [CAS:2303-16-4] ; Dimethachlor [CAS:50563-36-5] ; Diphenamid [CAS:957-51-7] ; Fenpropathrin [CAS:39515-41-8] ; Fluquinconazole [CAS:136426-54-5] ; Flutolanil [CAS:66332-96-5] ; Linuron [CAS:330-55-2] ; Metazachlor [CAS:67129-08-2] ; Methoxychlor (DMTD) [CAS:72-43-5] ; Metolachlor [CAS:51218-45-2] ; N-(2,4-Dimethylphenyl)formamide [CAS:60397-77-5] ; Norflurazon [CAS:27314-13-2] ; Oxadiazon [CAS:19666-30-9] ; Pebulate [CAS:1114-71-2] ; Pretilachlor [CAS:51218-49-6] ; Prochloraz [CAS:67747-09-5] ; Propachlor [CAS:1918-16-7] ; Propanil [CAS:709-98-8] ; Propisochlor [CAS:86763-47-5] ; Propyzamide [CAS:23950-58-5] ; Pyridaben [CAS:96489-71-3] ; Tebufenpyrad [CAS:119168-77-3] ; Tri-allate [CAS:2303-17-5] in Toluene	1	ml	18	Yes

Ref. Number	Description	Volume	Msr. Unit	Shelf-life (months)	ISO 17034 ISO 17025
F440005	Multiresidue Pesticide Standard (Mix 5) - 34 components; 100ug/ml each of Atrazine [CAS:1912-24-9] ; Bupirimate [CAS:41483-43-6] ; Captafol [CAS:2425-06-1] ; Captan [CAS:133-06-2] ; Chlorfenapyr [CAS:122453-73-0] ; Cyprodinil [CAS:121552-61-2] ; Etofenprox [CAS:80844-07-1] ; Etridiazole [CAS:2593-15-9] ; Fenarimol [CAS:60168-88-9] ; Fipronil [CAS:120068-37-3] ; Fludioxonil [CAS:131341-86-1] ; Fluridone [CAS:59756-60-4] ; Flusilazole [CAS:85509-19-9] ; Flutriafol [CAS:76674-21-0] ; Folpet [CAS:133-07-3] ; Hexazinone [CAS:51235-04-2] ; Iprodione [CAS:36734-19-7] ; Lenacil [CAS:2164-08-1] ; MGK 264 [CAS:113-48-4] ; Myclobutanil [CAS:88671-89-0] ; Paclobutrazol [CAS:76738-62-0] ; Penconazole [CAS:66246-88-6] ; Procymidone [CAS:32809-16-8] ; Propargite [CAS:2312-35-8] ; Pyrimethanil [CAS:53112-28-0] ; Pyriproxyfen [CAS:95737-68-1] ; Tebuconazole [CAS:107534-96-3] ; Terbacil [CAS:5902-51-2] ; Terbuthylazine [CAS:5915-41-3] ; Triadimefon [CAS:43121-43-3] ; Triadimenol [CAS:55219-65-3] ; Tricyclazole [CAS:41814-78-2] ; Triflumizole [CAS:68694-11-1] ; Vinclozolin [CAS:50471-44-8] in Toluene	1	ml	18	Yes
F440006	Multiresidue Pesticide Standard (Mix 6) - 18 components; 100ug/ml each of Acrinathrin [CAS:101007-06-1] ; Anthraquinone [CAS:84-65-1] ; cis-Bifenthrin [CAS:82657-04-3] ; Bioallethrin [CAS:584-79-2] ; Cyfluthrin [CAS:68359-37-5] ; lambda-Cyhalothrin [CAS:91465-08-6] ; Cypermethrin [CAS:52315-07-8] ; Deltamethrin [CAS:52918-63-5] ; Fenvalerate [CAS:51630-58-1] ; Flucythrinate [CAS:70124-77-5] ; tau-Fluvalinate [CAS:102851-06-9] ; cis-Permethrine [CAS:61949-76-6] ; trans-Permethrine [CAS:61949-77-7] ; Phenothrin [CAS:26002-80-2] ; Resmethrin [CAS:10453-86-8] ; Tefluthrin [CAS:79538-32-2] ; Tetramethrin [CAS:7696-12-0] ; Transfluthrin [CAS:118712-89-3] in Toluene	1	ml	18	Yes
F440007	Multiresidue Pesticide Standard (Mix 7) - 10 components; 100ug/ml each of Acequinocyl [CAS:57960-19-7] ; Bromopropylate [CAS:18181-80-1] ; Carfentrazone-ethyl [CAS:128639-02-1] ; Chlorobenzilate [CAS:510-15-6] ; Chlorpropham [CAS:101-21-3] ; Chlozolinate [CAS:84332-86-5] ; Chlorthal-dimethyl [CAS:1861-32-1] ; Fluazifop-P-butyl [CAS:79241-46-6] ; Metalaxyl [CAS:57837-19-1] ; 2-Phenylphenol [CAS:90-43-7] in Toluene	1	ml	18	Yes

Ref. Number	Description	Volume	Msr. Unit	Shelf-life (months)	ISO 17034 ISO 17025
F440008	Multiresidue Pesticide Standard (Mix 8) - 24 components; 100ug/ml each of Bromfenvinphos-methyl [CAS:13104-21-7] ; Bromfenvinfos [CAS:33399-00-7] ; Bromophos-ethyl [CAS:4824-78-6] ; Bromophos-methyl [CAS:2104-96-3] ; Carbophenothion [CAS:786-19-6] ; Chlorfenvinphos [CAS:470-90-6] ; Chlorthiophos [CAS:60238-56-4] ; Coumaphos [CAS:56-72-4] ; Edifenphos [CAS:17109-49-8] ; Ethion [CAS:563-12-2] ; Fenamiphos [CAS:22224-92-6] ; Fenchlorphos [CAS:299-84-3] ; Fenthion [CAS:55-38-9] ; Iodofenphos [CAS:18181-70-9] ; Leptophos [CAS:21609-90-5] ; Malathion [CAS:121-75-5] ; Methacrifos [CAS:62610-77-9] ; Profenofos [CAS:41198-08-7] ; Prothiophos [CAS:34643-46-4] ; Sulfotep [CAS:3689-24-5] ; Sulprofos [CAS:35400-43-2] ; Terbufos [CAS:13071-79-9] ; cis-Tetrachlorvinphos [CAS:22248-79-9] ; Tolclofos-methyl [CAS:57018-04-9] in Toluene	1	ml	18	Yes
F440009	Multiresidue Pesticide Standard (Mix 9) - 8 components; 100ug/ml each of Disulfoton [CAS:298-04-4] ; Fonofos [CAS:944-22-9] ; Parathion-methyl [CAS:298-00-0] ; Mevinphos [CAS:7786-34-7] ; Parathion [CAS:56-38-2] ; Phorate [CAS:298-02-2] ; Piperonyl butoxide [CAS:51-03-6] ; Triazophos [CAS:24017-47-8] in Toluene	1	ml	18	Yes
F550000	LC KIT of 204 components grouped in 10 separate mixtures - F550001, F550002, F550003, F550004, F550005, F550006, F550007, F550008, F550009 and F550010. Each mixture is supplied in 1 ampoule of 1ml. The individual mixtures can also be purchased separately.	10x1	ml	various	Yes
F550001	LC Multiresidue Pesticide Standard (Mix 1) -13 components; 100ug/ml each of Acephate [CAS:30560-19-1] ; Carbaryl [CAS:63-25-2] ; Dicrotophos [CAS:141-66-2] ; Dimethoate [CAS:60-51-5] ; Dimethomorph [CAS:110488-70-5] ; Isocarbofos [CAS:24353-61-5] ; Methamidophos [CAS:10265-92-6] ; Mevinphos [CAS:7786-34-7] ; Monocrotophos [CAS:6923-22-4] ; Omethoate [CAS:1113-02-6] ; Temephos [CAS:3383-96-8] ; Trichlorfon [CAS:52-68-6] ; Vamidothion [CAS:2275-23-2] in Acetonitrile	1	ml	18	Yes
F550002	LC Multiresidue Pesticide Standard (Mix 2) - 16 components; 100ug/ml each of Alanycarb [CAS:83130-01-2] ; Aldicarb [CAS:116-06-3] ; Aldicarb-sulfone [CAS:1646-88-4] ; Aldicarb-sulfoxide [CAS:1646-87-3] ; Benfuracarb [CAS:82560-54-1] ; Butocarboxim [CAS:34681-10-2] ; Butocarboxim-sulfone [CAS:34681-23-7] ; Ethiofencarb [CAS:29973-13-5] ; Furathiocarb [CAS:65907-30-4] ; Methabenzthiazuron [CAS:18691-97-9] ; Methiocarb [CAS:2032-65-7] ; Methomyl [CAS:16752-77-5] ; Oxamyl [CAS:23135-22-0] ; Tebuthiuron [CAS:34014-18-1] ; Thidiazuron [CAS:51707-55-2] ; Thiophanate-methyl [CAS:23564-05-8] in Acetonitrile	1	ml	18	Yes

Ref. Number	Description	Volume	Msr. Unit	Shelf-life (months)	ISO 17034 ISO 17025
F550003	LC Multiresidue Pesticide Standard (Mix 3) - 38 components; 100ug/ml each of Bendiocarb [CAS:22781-23-3] ; Bifenazate [CAS:149877-41-8] ; Carbofuran [CAS:1563-66-2] ; Chlorfluazuron [CAS:71422-67-8] ; Chloroxuron [CAS:1982-47-4] ; Chlortoluron [CAS:15545-48-9] ; Cycluron [CAS:2163-69-1] ; Diethofencarb [CAS:87130-20-9] ; Diflubenzuron [CAS:35367-38-5] ; Dioxacarb [CAS:6988-21-2] ; Diuron [CAS:330-54-1] ; Fenobucarb [CAS:3766-81-2] ; Fenoxycarb [CAS:72490-01-8] ; Fenuron [CAS:101-42-8] ; Flufenoxuron [CAS:101463-69-8] ; Fluometuron [CAS:2164-17-2] ; Forchlorfenuron [CAS:68157-60-8] ; Hexaflumuron [CAS:86479-06-3] ; Carbofuran-3-hydroxy [CAS:16655-82-6] ; S-Indoxacarb [CAS:173584-44-6] ; Iprovalicarb [CAS:140923-17-7] ; Isoprocarb [CAS:2631-40-5] ; Isoproturon [CAS:34123-59-6] ; Linuron [CAS:330-55-2] ; Lufenuron [CAS:103055-07-8] ; Metobromuron [CAS:3060-89-7] ; Monolinuron [CAS:1746-81-2] ; Neburon [CAS:555-37-3] ; Novaluron [CAS:116714-46-6] ; Pirimicarb [CAS:23103-98-2] ; Promecarb [CAS:2631-37-0] ; Propham [CAS:122-42-9] ; Propoxur [CAS:114-26-1] ; Pyraclostrobin [CAS:175013-18-0] ; Siduron [CAS:1982-49-6] ; Teflubenzuron [CAS:83121-18-0] ; Thiobencarb [CAS:28249-77-6] ; Triflumuron [CAS:64628-44-0] in Acetonitrile	1	ml	18	Yes

Ref. Number	Description	Volume	Msr. Unit	Shelf-life (months)	ISO 17034 ISO 17025
F550004	LC Multiresidue Pesticide Standard (Mix 4) - 63 components; 100ug/ml each of Abamectin [CAS:71751-41-2] ; Acetamiprid [CAS:135410-20-7] ; Ametryn [CAS:834-12-8] ; Amitraz [CAS:33089-61-1] ; Azoxystrobin [CAS:131860-33-8] ; Benalaxyl [CAS:71626-11-4] ; Benzoximate [CAS:29104-30-1] ; Boscalid [CAS:188425-85-6] ; Butafenacil [CAS:134605-64-4] ; Carbetamide [CAS:16118-49-3] ; Carfentrazone-ethyl [CAS:128639-02-1] ; Chlorantraniliprole [CAS:500008-45-7] ; Clofentezine [CAS:74115-24-5] ; Cymoxanil [CAS:57966-95-7] ; Cyprodinil [CAS:121552-61-2] ; Cyromazine [CAS:66215-27-8] ; Dimoxystrobin [CAS:149961-52-4] ; Dinotefuran [CAS:165252-70-0] ; Doramectin [CAS:117704-25-3] ; Eprinomectin [CAS:123997-26-2] ; Famoxadone [CAS:131807-57-3] ; Fenazaquin [CAS:120928-09-8] ; Fenhexamid [CAS:126833-17-8] ; Fenpyroximate [CAS:111812-58-9] ; Flonicamid [CAS:158062-67-0] ; Fluazinam [CAS:79622-59-6] ; Fludioxonil [CAS:131341-86-1] ; Fluoxastrobin [CAS:361377-29-9] ; Flutolanil [CAS:66332-96-5] ; Furalaxyl [CAS:57646-30-7] ; Halofenozide [CAS:112226-61-6] ; Imazalil [CAS:35554-44-0] ; Imidacloprid [CAS:138261-41-3] ; Ivermectine [CAS:70288-86-7] ; Kresoxim-methyl [CAS:143390-89-0] ; Mandipropamid [CAS:374726-62-2] ; Mepanipyrim [CAS:110235-47-7] ; Mepronil [CAS:55814-41-0] ; Metaflumizone [CAS:139968-49-3] ; Metalaxyl [CAS:57837-19-1] ; Methoxyfenozide [CAS:161050-58-4] ; Moxidectin [CAS:113507-06-5] ; Myclobutanil [CAS:88671-89-0] ; Nitenpyram [CAS:150824-47-8] ; Oxadixyl [CAS:77732-09-3] ; Picoxystrobin [CAS:117428-22-5] ; Piperonyl butoxide [CAS:51-03-6] ; Prochloraz [CAS:67747-09-5] ; Prometon [CAS:1610-18-0] ; Pymetrozine [CAS:123312-89-0] ; Pyracarbolid [CAS:24691-76-7] ; Pyrimethanil [CAS:53112-28-0] ; Pyriproxyfen [CAS:95737-68-1] ; Quinoxyfen [CAS:124495-18-7] ; Rotenone [CAS:83-79-4] ; Secbumeton [CAS:26259-45-0] ; Spiroxamine [CAS:118134-30-8] ; Tebufenozide [CAS:112410-23-8] ; Tebufenpyrad [CAS:119168-77-3] ; Terbumeton [CAS:33693-04-8] ; Triadimefon [CAS:43121-43-3] ; Trifloxystrobin [CAS:141517-21-7] ; Zoxamide [CAS:156052-68-5] in Acetonitrile	1	ml	12	Yes

Ref. Number	Description	Volume	Msr. Unit	Shelf-life (months)	ISO 17034 ISO 17025
F550005	LC Multiresidue Pesticide Standard (Mix 5) - 30 components; 100ug/ml each of Acibenzolar-S-methyl [CAS:135158-54-2] ; Bupirimate [CAS:41483-43-6] ; Buprofezin [CAS:69327-76-0] ; Carboxin [CAS:5234-68-4] ; Clethodim [CAS:99129-21-2] ; Clothianidin [CAS:210880-92-5] ; Cyazofamid [CAS:120116-88-3] ; Ethiprole [CAS:181587-01-9] ; Ethofumesate [CAS:26225-79-6] ; Fenamidone [CAS:161326-34-7] ; Fipronil [CAS:120068-37-3] ; Flubendiamide [CAS:272451-65-7] ; Flufenacet [CAS:142459-58-3] ; Hexythiazox [CAS:78587-05-0] ; Mefenacet [CAS:73250-68-7] ; Mesotrione [CAS:104206-82-8] ; Methoprotryne [CAS:841-06-5] ; Metribuzin [CAS:21087-64-9] ; Prometryn [CAS:7287-19-6] ; Propargite [CAS:2312-35-8] ; Prothioconazole [CAS:178928-70-6] ; Pyridaben [CAS:96489-71-3] ; Simetryn [CAS:1014-70-6] ; Sulfentrazone [CAS:122836-35-5] ; Terbutryn [CAS:886-50-0] ; Thiabendazole [CAS:148-79-8] ; Thiacloprid [CAS:111988-49-9] ; Thiamethoxam [CAS:153719-23-4] ; Thiofanox [CAS:39196-18-4] ; Tricyclazole [CAS:41814-78-2] in Acetonitrile	1	ml	6	Yes
F550006	LC Multiresidue Pesticide Standard (Mix 6) - 28 components; 100ug/ml each of Bitertanol [CAS:55179-31-2] ; Bromuconazole [CAS:116255-48-2] ; Cyproconazole [CAS:94361-06-5] ; Diclobutrazol [CAS:75736-33-3] ; Difenoconazole [CAS:119446-68-3] ; Diniconazole [CAS:83657-24-3] ; Epoxiconazole [CAS:133855-98-8] ; Etaconazole [CAS:60207-93-4] ; Ethirimol [CAS:23947-60-6] ; Etoxazole [CAS:153233-91-1] ; Fenarimol [CAS:60168-88-9] ; Fenbuconazole [CAS:114369-43-6] ; Fluquinconazole [CAS:136426-54-5] ; Flusilazole [CAS:85509-19-9] ; Flutriafol [CAS:76674-21-0] ; Fuberidazole [CAS:3878-19-1] ; Hexaconazole [CAS:79983-71-4] ; Ipconazole [CAS:125225-28-7] ; Metconazole [CAS:125116-23-6] ; Nuarimol [CAS:63284-71-9] ; Paclobutrazol [CAS:76738-62-0] ; Penconazole [CAS:66246-88-6] ; Propiconazole [CAS:60207-90-1] ; Tebuconazole [CAS:107534-96-3] ; Tetraconazole [CAS:112281-77-3] ; Triadimenol [CAS:55219-65-3] ; Triflumizole [CAS:68694-11-1] ; Triticonazole [CAS:131983-72-7] in Acetonitrile	1	ml	18	Yes
F550007	LC Multiresidue Pesticide Standard (Mix 7) - 7 components; 100ug/ml each of Emamectin benzoate [CAS:155569-91-8] ; Fenpropimorph [CAS:67564-91-4] ; Spirodiclofen [CAS:148477-71-8] ; Spinosad [CAS:168316-95-8] ; Spirotetramat [CAS:203313-25-1] ; Spinetoram [CAS:187166-40-1] ; Spiromesifen [CAS:283594-90-1] in Acetonitrile	1	ml	18	Yes
F550008	Hydramethylnon [CAS:67485-29-4] 100ug/ml in Acetonitrile	1	ml	18	Yes

Ref. Number	Description	Volume	Msr. Unit	Shelf-life (months)	ISO 17034 ISO 17025
F550009	LC Multiresidue Pesticide Standard (Mix 9) - 7 components; 100ug/ml each of Aminocarb [CAS:2032-59-9] ; Desmedipham [CAS:13684-56-5] ; Formetanate hydrochloride [CAS:23422-53-9] ; Mexacarbate [CAS:315-18-4] ; Pencycuron [CAS:66063-05-6] ; Phenmedipham [CAS:13684-63-4] ; Propamocarb free base [CAS:24579-73-5] in Acetonitrile	1	ml	18	Yes
F550010	Carbendazim [CAS:10605-21-7] 100 ug/ml in Methanol	1	ml	12	Yes

ISO Methods > Water Quality

Ref. Number	Description	Volume	Msr. Unit	Shelf-life (months)	ISO 17034 ISO 17025
F109631	Mixture of Mineral Oils (A+B) (Diesel Fuel / Lubricating Oil) : 1/1 (neat) (ISO 9377-2-Mod) 2 components; 1part each of Mineral Oil [CAS:8042-47-5] ; Diesel Oil [CAS:N/A]	1	ml	24	Yes
F061945	Mixture of Mineral Oils (A+B) (Diesel Fuel / Lubricating Oil) : 1/1 (neat) (ISO 9377-2-Mod) 2 components; 1part each of Mineral Oil [CAS:8042-47-5] ; Diesel Oil [CAS:N/A]	5	ml	24	Yes
F109641	Quality Control Standard of Mineral Oils (ISO 9377-2-Mod) 2 components; 500mg/l each of Mineral Oil [CAS:8042-47-5] ; Diesel Oil [CAS:N/A] in Acetone	5	ml	24	Yes
F109651	Florisil Cartridge QC Standard Mixture (ISO 9377-2-Mod) 2 components; 1000mg/l each of Mineral Oil [CAS:8042-47-5] ; Diesel Oil [CAS:N/A] in n-Hexane	5	ml	24	Yes
F145091	Quality Control Standard of Mineral Oils (ISO 9377-2-Mod) 2 components; 1000mg/l each of Mineral Oil [CAS:8042-47-5] ; Diesel Oil [CAS:N/A] in Acetone	5	ml	24	Yes
F109661	Quality Control Standard of Mineral Oils (ISO 9377-2-Mod) 2 components; 5000mg/l each of Mineral Oil [CAS:8042-47-5] ; Diesel Oil [CAS:N/A] in n-Hexane	5	ml	24	Yes
P858020	2 components; 5000mg/l each of Mineral Oil [CAS:8042-47-5] ; Diesel Oil [CAS:N/A] in n-Hexane	10	ml	24	Yes
F675880	Mineral oil standard mixture - 2 components; 8g/l each of Mineral Oil [CAS:74869-22-0] ; Diesel Oil [CAS:N/A] in n-Heptane	10	ml	24	Yes
F675870	Mineral oil standard mixture - 2 components; 10g/l each of Mineral Oil [CAS:74869-22-0] ; Diesel Oil [CAS:N/A] in n-Heptane	10	ml	24	Yes
F109671	Quality Control Standard of Mineral Oils (ISO 9377-2-Mod) 2 components; 10000mg/l each of Mineral Oil [CAS:8042-47-5] ; Diesel Oil [CAS:N/A] in n-Hexane	5	ml	24	Yes
F868391	PAH Standard Solution 6 components (ISO 7981-2) 10ug/ml each of Fluoranthene [CAS:206-44-0] ; Benzo(b)fluoranthene [CAS:205-99-2] ; Benzo(a)pyrene [CAS:50-32-8] ; Benzo(k)fluoranthene [CAS:207-08-9] ; Indeno(1,2,3-c,d)pyrene [CAS:193-39-5] ; Benzo(g,h,i)perylene [CAS:191-24-2] in Acetonitrile	1	ml	24	Yes
F109260	PAH Standard Solution 6 components (ISO 7981-2) 10ug/ml each of Fluoranthene [CAS:206-44-0] ; Benzo(b)fluoranthene [CAS:205-99-2] ; Benzo(a)pyrene [CAS:50-32-8] ; Benzo(k)fluoranthene [CAS:207-08-9] ; Indeno(1,2,3-c,d)pyrene [CAS:193-39-5] ; Benzo(g,h,i)perylene [CAS:191-24-2] in Acetonitrile	5	ml	24	Yes
F129231	BTEX Standard Solution - 6 components (ISO 9377-2-Mod); 100ug/ml each of Benzene [CAS:71-43-2] ; Toluene [CAS:108-88-3] ; o-Xylene [CAS:95-47-6] ; m-Xylene [CAS:108-38-3] ; p-Xylene [CAS:106-42-3] ; Ethylbenzene [CAS:100-41-4] in Methanol	1	ml	24	Yes

Ref. Number	Description	Volume	Msr. Unit	Shelf-life (months)	ISO 17034 ISO 17025
F109781	n-Alkane Standard Solution 16 components C10-C40 (all even) (ISO 9377-2-Mod) 50mg/l each of n-Decane [CAS:124-18-5] ; n-Dodecane [CAS:112-40-3] ; n-Tetradecane [CAS:629-59-4] ; n-Hexadecane [CAS:544-76-3] ; n-Octadecane [CAS:593-45-3] ; n-Eicosane [CAS:112-95-8] ; n-Docosane [CAS:629-97-0] ; n-Tetracosane [CAS:646-31-1] ; n-Hexacosane [CAS:630-01-3] ; n-Octacosane [CAS:630-02-4] ; n-Triacontane [CAS:638-68-6] ; n-Dotriacontane [CAS:544-85-4] ; n-Tetratriacontane [CAS:14167-59-0] ; n-Hexatriacontane [CAS:630-06-8] ; n-Octatriacontane [CAS:7194-85-6] ; n-Tetracontane [CAS:4181-95-7] in n-Hexane	5	ml	24	Yes
F109771	n-Alkane Standard Solution 16 components C10-C40 (all even) (ISO 9377-2-Mod) 100mg/l each of n-Decane [CAS:124-18-5] ; n-Dodecane [CAS:112-40-3] ; n-Tetradecane [CAS:629-59-4] ; n-Hexadecane [CAS:544-76-3] ; n-Octadecane [CAS:593-45-3] ; n-Eicosane [CAS:112-95-8] ; n-Docosane [CAS:629-97-0] ; n-Tetracosane [CAS:646-31-1] ; n-Hexacosane [CAS:630-01-3] ; n-Octacosane [CAS:630-02-4] ; n-Triacontane [CAS:638-68-6] ; n-Dotriacontane [CAS:544-85-4] ; n-Tetratriacontane [CAS:14167-59-0] ; n-Hexatriacontane [CAS:630-06-8] ; n-Octatriacontane [CAS:7194-85-6] ; n-Tetracontane [CAS:4181-95-7] in n-Hexane / Petroleum ether (1/1)	5	ml	24	Yes

ISO Methods > Soil Quality

Ref. Number	Description	Volume	Msr. Unit	Shelf-life (months)	ISO 17034
F109831.1	Multicomponent Stock Solution of PCBs 7 components (ISO 10382:2002) 100mg/l each of PCB 28 [CAS:7012-37-5] ; PCB 52 [CAS:35693-99-3] ; PCB 101 [CAS:37680-73-2] ; PCB 118 [CAS:31508-00-6] ; PCB 138 [CAS:35065-28-2] ; PCB 153 [CAS:35065-27-1] ; PCB 180 [CAS:35065-29-3] in Iso-octane	1	ml	24	Yes
F109871.10	PAH Standard Solution 16 components (ISO 13877) 10mg/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,i)perylene [CAS:191-24-2] ; Benzo(k)fluoranthene [CAS:207-08-9] ; Chrysene [CAS:218-01-9] ; 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	10	ml	24	Yes
F109871a	PAH Standard Solution 16 components (ISO 13877) 10mg/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,i)perylene [CAS:191-24-2] ; Benzo(k)fluoranthene [CAS:207-08-9] ; Chrysene [CAS:218-01-9] ; 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	1	ml	24	Yes
F109861	PAH Standard Stock Solution 16 components (ISO 13877) 100mg/l each of Naphthalene [CAS:91-20-3] ; Acenaphthylene [CAS:208-96-8] ; Acenaphthene [CAS:83-32-9] ; Fluorene [CAS:86-73-7] ; Phenanthrene [CAS:85-01-8] ; Anthracene [CAS:120-12-7] ; Fluoranthene [CAS:206-44-0] ; Pyrene [CAS:129-00-0] ; Benzo(a)anthracene [CAS:56-55-3] ; Chrysene [CAS:218-01-9] ; Benzo(b)fluoranthene [CAS:205-99-2] ; Benzo(k)fluoranthene [CAS:207-08-9] ; Benzo(a)pyrene [CAS:50-32-8] ; Dibenzo(a,h)anthracene [CAS:53-70-3] ; Benzo(g,h,i)perylene [CAS:191-24-2] ; Indeno(1,2,3-c,d)pyrene [CAS:193-39-5] in Acetonitrile	1	ml	24	Yes

ISO Methods > Petroleum

Ref. Number	Description	Volume	Msr. Unit	Shelf-life (months)	ISO 17034
F061935	Hydrocarbon Window Defining Standard C8-C40 (ISO 3924:1999) 35 components; 500ug/ml each of n-Decane [CAS:124-18-5] ; n-Docosane [CAS:629-97-0] ; n-Dodecane [CAS:112-40-3] ; n-Dotriacontane [CAS:544-85-4] ; n-Eicosane [CAS:112-95-8] ; n-Heneicosane [CAS:629-94-7] ; n-Hentriacontane [CAS:630-04-6] ; n-Heptacosane [CAS:593-49-7] ; n-Heptadecane [CAS:629-78-7] ; n-Heptatriacontane [CAS:7194-84-5] ; n-Hexacosane [CAS:630-01-3] ; n-Hexadecane [CAS:544-76-3] ; n-Hexatriacontane [CAS:630-06-8] ; n-Nonacosane [CAS:630-03-5] ; n-Nonadecane [CAS:629-92-5] ; n-Nonane [CAS:111-84-2] ; n-Nonatriacontane [CAS:7194-86-7] ; n-Octacosane [CAS:630-02-4] ; n-Octadecane [CAS:593-45-3] ; n-Octane [CAS:111-65-9] ; n-Octatriacontane [CAS:7194-85-6] ; n-Pentacosane [CAS:629-99-2] ; n-Pentadecane [CAS:629-62-9] ; n-Pentatriacontane [CAS:630-07-9] ; Phytane [CAS:638-36-8] ; Pristane [CAS:1921-70-6] ; n-Tetracontane [CAS:4181-95-7] ; n-Tetracosane [CAS:646-31-1] ; n-Tetradecane [CAS:629-59-4] ; n-Tetratriacontane [CAS:14167-59-0] ; n-Triacontane [CAS:638-68-6] ; n-Tricosane [CAS:638-67-5] ; n-Tridecane [CAS:629-50-5] ; n-Tritriacontane [CAS:630-05-7] ; n-Undecane [CAS:1120-21-4] in Carbon disulfide / Dichloromethane (3/1)	1	ml	24	Yes
F110241	Hydrocarbon Window Defining Standard C8-C40 (ISO 3924:1999) 35 components; 500ug/ml each of n-Decane [CAS:124-18-5] ; n-Docosane [CAS:629-97-0] ; n-Dodecane [CAS:112-40-3] ; n-Dotriacontane [CAS:544-85-4] ; n-Eicosane [CAS:112-95-8] ; n-Heneicosane [CAS:629-94-7] ; n-Hentriacontane [CAS:630-04-6] ; n-Heptacosane [CAS:593-49-7] ; n-Heptadecane [CAS:629-78-7] ; n-Heptatriacontane [CAS:7194-84-5] ; n-Hexacosane [CAS:630-01-3] ; n-Hexadecane [CAS:544-76-3] ; n-Hexatriacontane [CAS:630-06-8] ; n-Nonacosane [CAS:630-03-5] ; n-Nonadecane [CAS:629-92-5] ; n-Nonane [CAS:111-84-2] ; n-Nonatriacontane [CAS:7194-86-7] ; n-Octacosane [CAS:630-02-4] ; n-Octadecane [CAS:593-45-3] ; n-Octane [CAS:111-65-9] ; n-Octatriacontane [CAS:7194-85-6] ; n-Pentacosane [CAS:629-99-2] ; n-Pentadecane [CAS:629-62-9] ; n-Pentatriacontane [CAS:630-07-9] ; Phytane [CAS:638-36-8] ; Pristane [CAS:1921-70-6] ; n-Tetracontane [CAS:4181-95-7] ; n-Tetracosane [CAS:646-31-1] ; n-Tetradecane [CAS:629-59-4] ; n-Tetratriacontane [CAS:14167-59-0] ; n-Triacontane [CAS:638-68-6] ; n-Tricosane [CAS:638-67-5] ; n-Tridecane [CAS:629-50-5] ; n-Tritriacontane [CAS:630-05-7] ; n-Undecane [CAS:1120-21-4] in Carbon disulfide / Dichloromethane (3/1)	5	ml	24	Yes

EPA Methods > 500 Series

Ref. Number	Description	Volume	Msr. Unit	Shelf-life (months)	ISO 17034 ISO 17025
F112721	Trihalomethanes Standard Solution - 4 components (EPA 501) 200ug/ml each of Bromodichloromethane [CAS:75-27-4] ; Tribromomethane (Bromoform) [CAS:75-25-2] ; Dibromochloromethane [CAS:124-48-1] ; Chloroform [CAS:67-66-3] in Methanol	1	ml	24	Yes
A9E1.1K.ML	4 components; 1000ug/ml each of Tribromomethane (Bromoform) [CAS:75-25-2] ; Chloroform [CAS:67-66-3] ; Bromodichloromethane [CAS:75-27-4] ; Dibromochloromethane [CAS:124-48-1] in Methanol	1	ml	24	Yes
F112741	Trihalomethanes Standard Solution 4 components (EPA 501) 2000ug/ml each of Bromodichloromethane [CAS:75-27-4] ; Tribromomethane (Bromoform) [CAS:75-25-2] ; Dibromochloromethane [CAS:124-48-1] ; Chloroform [CAS:67-66-3] in Methanol	1	ml	24	Yes
F114161	EPA Method 531.1 - Carbamate Pesticide Calibration Standard - 10 components (EPA 531.1); 100ug/ml each of Aldicarb [CAS:116-06-3] ; Aldicarb-sulfone [CAS:1646-88-4] ; Aldicarb-sulfoxide [CAS:1646-87-3] ; Propoxur (baygon) [CAS:114-26-1] ; Carbaryl [CAS:63-25-2] ; Carbofuran [CAS:1563-66-2] ; Carbofuran-3-hydroxy [CAS:16655-82-6] ; Methiocarb [CAS:2032-65-7] ; Methomyl [CAS:16752-77-5] ; Oxamyl [CAS:23135-22-0] in Methanol	1	ml	24	Yes

Ref. Number	Description	Volume	Msr. Unit	Shelf-life (months)	ISO 17034 ISO 17025
RD0175651	VOC Standard Solution 60 components (EPA 502) - 60 components; 2000ug/ml each of Benzene [CAS:71-43-2] ; Bromobenzene [CAS:108-86-1] ; Bromochloromethane [CAS:74-97-5] ; Bromodichloromethane [CAS:75-27-4] ; Bromomethane [CAS:74-83-9] ; n-Butylbenzene [CAS:104-51-8] ; sec-Butylbenzene [CAS:135-98-8] ; tert-Butylbenzene [CAS:98-06-6] ; Chlorobenzene [CAS:108-90-7] ; Chloroethane [CAS:75-00-3] ; Chloroform [CAS:67-66-3] ; Chloromethane [CAS:74-87-3] ; 2-Chlorotoluene [CAS:95-49-8] ; 4-Chlorotoluene [CAS:106-43-4] ; 1,2-Dibromo-3-chloropropane [CAS:96-12-8] ; Dibromochloromethane [CAS:124-48-1] ; 1,2-Dibromoethane [CAS:106-93-4] ; Dibromomethane [CAS:74-95-3] ; 1,2-Dichlorobenzene [CAS:95-50-1] ; 1,3-Dichlorobenzene [CAS:541-73-1] ; 1,4-Dichlorobenzene [CAS:106-46-7] ; Dichlorodifluoromethane [CAS:75-71-8] ; 1,1-Dichloroethane [CAS:75-34-3] ; 1,2-Dichloroethane [CAS:107-06-2] ; 1,1-Dichloroethene [CAS:75-35-4] ; cis-1,2-Dichloroethene [CAS:156-59-2] ; trans-1,2-Dichloroethene [CAS:156-60-5] ; Dichloromethane (Methylene chloride) [CAS:75-09-2] ; 1,2-Dichloropropane [CAS:78-87-5] ; 1,3-Dichloropropane [CAS:142-28-9] ; 2,2-Dichloropropane [CAS:594-20-7] ; 1,1-Dichloropropene [CAS:563-58-6] ; cis-1,3-Dichloropropene [CAS:10061-01-5] ; trans-1,3-Dichloropropene [CAS:10061-02-6] ; Ethylbenzene [CAS:100-41-4] ; Fluorotrichloromethane (Trichlorofluoromethane) [CAS:75-69-4] ; Hexachloro-1,3-butadiene (Hexachlorobutadiene) [CAS:87-68-3] ; Isopropylbenzene [CAS:98-82-8] ; 4-Isopropyltoluene [CAS:99-87-6] ; Naphthalene [CAS:91-20-3] ; n-Propylbenzene [CAS:103-65-1] ; Styrene [CAS:100-42-5] ; 1,1,1,2-Tetrachloroethane [CAS:630-20-6] ; 1,1,2,2-Tetrachloroethane [CAS:79-34-5] ; Tetrachloroethene [CAS:127-18-4] ; Tetrachloromethane (Carbon tetrachloride) [CAS:56-23-5] ; Toluene [CAS:108-88-3] ; Tribromomethane (Bromoform) [CAS:75-25-2] ; 1,2,3-Trichlorobenzene [CAS:87-61-6] ; 1,2,4-Trichlorobenzene [CAS:120-82-1] ; 1,1,1-Trichloroethane [CAS:71-55-6] ; 1,1,2-Trichloroethane [CAS:79-00-5] ; Trichloroethene [CAS:79-01-6] ; 1,2,3-Trichloropropane [CAS:96-18-4] ; 1,2,4-Trimethylbenzene [CAS:95-63-6] ; 1,3,5-Trimethylbenzene [CAS:108-67-8] ; Vinylchloride [CAS:75-01-4] ; m-Xylene [CAS:108-38-3] ; o-Xylene [CAS:95-47-6] ; p-Xylene [CAS:106-42-3] in Methanol	1	ml	24	Yes

EN Methods > Insulating liquids

Ref. Number	Description	Volume	Msr. Unit	Shelf-life (months)	ISO 17034 ISO 17025
F129161	Calibration PCB solution 14 components (EN 61619) 10ug/ml each of PCB 18 [CAS:37680-65-2] ; PCB 28 [CAS:7012-37-5] ; PCB 31 [CAS:16606-02-3] ; PCB 44 [CAS:41464-39-5] ; PCB 52 [CAS:35693-99-3] ; PCB 101 [CAS:37680-73-2] ; PCB 118 [CAS:31508-00-6] ; PCB 138 [CAS:35065-28-2] ; PCB 149 [CAS:38380-04-0] ; PCB 153 [CAS:35065-27-1] ; PCB 170 [CAS:35065-30-6] ; PCB 180 [CAS:35065-29-3] ; PCB 194 [CAS:35694-08-7] ; PCB 209 [CAS:2051-24-3] in Iso-octane	1	ml	24	Yes

International Regulations > European Environmental Methods

Ref. Number	Description	Volume	Msr. Unit	Shelf-life (months)	ISO 17034 ISO 17025
F236784	CEN/TS 16621: PAH4 standard solution of 4 components; 10ug/ml each of Benzo(a)pyrene [CAS:50-32-8] ; Benzo(a)anthracene [CAS:56-55-3] ; Benzo(b)fluoranthene [CAS:205-99-2] ; Chrysene [CAS:218-01-9] in Acetonitrile	1	ml	12	Yes

International Regulations > Italian Environmental Regulation

Ref. Number	Description	Volume	Msr. Unit	Shelf-life (months)	ISO 17034 ISO 17025
F145486	8 components; 100ug/ml each of Nitrobenzene [CAS:98-95-3] ; 1,2-Dinitrobenzene [CAS:528-29-0] ; 1,3-Dinitrobenzene [CAS:99-65-0] ; 1-Chloro-2-nitrobenzene [CAS:88-73-3] ; 1-Chloro-3-nitrobenzene [CAS:121-73-3] ; 1-Chloro-4-nitrobenzene [CAS:100-00-5] ; 2,5-Dichloronitrobenzene [CAS:89-61-2] ; 3,4-Dichloronitrobenzene [CAS:99-54-7] in Methanol	1	ml	24	Yes
F871941	Method DM 471 Standard Mixture 1 - 8 components; 1000ug/ml each of Benzene [CAS:71-43-2] ; Ethylbenzene [CAS:100-41-4] ; Styrene [CAS:100-42-5] ; Methyl-tert.butylether (MTBE) [CAS:1634-04-4] ; Toluene [CAS:108-88-3] ; o-Xylene [CAS:95-47-6] ; m-Xylene [CAS:108-38-3] ; p-Xylene [CAS:106-42-3] in Methanol	1	ml	24	Yes
F872011	Method DM 471 Standard Mixture 10 - 7 components; 100ug/ml each of 1,1,2-Trichloroethane [CAS:79-00-5] ; Trichloroethene [CAS:79-01-6] ; 1,2,3-Trichloropropane [CAS:96-18-4] ; 1,1,2,2-Tetrachloroethane [CAS:79-34-5] ; Tetrachloroethene [CAS:127-18-4] ; Hexachloro-1,3-butadiene [CAS:87-68-3] ; 1,1,1-Trichloroethane [CAS:71-55-6] in Methanol	1	ml	24	Yes
F872001	Method DM 471 Standard Mixture 8 - 14 components; 100ug/ml each of Chloromethane [CAS:74-87-3] ; Chloroform [CAS:67-66-3] ; Vinylchloride [CAS:75-01-4] ; 1,2-Dichloroethane [CAS:107-06-2] ; 1,1-Dichloroethene [CAS:75-35-4] ; 1,1-Dichloroethane [CAS:75-34-3] ; cis-1,2-Dichloroethene [CAS:156-59-2] ; trans-1,2-Dichloroethene [CAS:156-60-5] ; Dichloromethane [CAS:75-09-2] ; Tribromomethane (Bromoform) [CAS:75-25-2] ; 1,2-Dibromoethane [CAS:106-93-4] ; Dibromochloromethane [CAS:124-48-1] ; Bromodichloromethane [CAS:75-27-4] ; 1,2-Dichloropropane [CAS:78-87-5] in Methanol	1	ml	24	Yes
F871971	Method DM 471 Standard Mixture 4 - 8 components; 500ug/ml each of n-Pentane [CAS:109-66-0] ; n-Hexane [CAS:110-54-3] ; n-Heptane [CAS:142-82-5] ; n-Octane [CAS:111-65-9] ; n-Nonane [CAS:111-84-2] ; n-Decane [CAS:124-18-5] ; n-Undecane [CAS:1120-21-4] ; n-Dodecane [CAS:112-40-3] in Methanol	1	ml	24	Yes

Hydrocarbons Standards

Ref. Number	Description	Volume	Msr. Unit	Shelf-life (months)	ISO 17034 ISO 17025
F112231	Hydrocarbons Standard Solution 31 components 100mg/l each of n-Decane [CAS:124-18-5] ; n-Undecane [CAS:1120-21-4] ; n-Dodecane [CAS:112-40-3] ; n-Tridecane [CAS:629-50-5] ; n-Tetradecane [CAS:629-59-4] ; n-Pentadecane [CAS:629-62-9] ; n-Hexadecane [CAS:544-76-3] ; n-Heptadecane [CAS:629-78-7] ; n-Nonadecane [CAS:629-92-5] ; n-Eicosane [CAS:112-95-8] ; n-Heneicosane [CAS:629-94-7] ; n-Docosane [CAS:629-97-0] ; n-Tricosane [CAS:638-67-5] ; n-Tetracosane [CAS:646-31-1] ; n-Pentacosane [CAS:629-99-2] ; n-Hexacosane [CAS:630-01-3] ; n-Octacosane [CAS:630-02-4] ; n-Nonacosane [CAS:630-03-5] ; n-Triacontane [CAS:638-68-6] ; n-Hentriacontane [CAS:630-04-6] ; n-Dotriacontane [CAS:544-85-4] ; n-Heptacosane [CAS:593-49-7] ; n-Tritriacontane [CAS:630-05-7] ; n-Octadecane [CAS:593-45-3] ; n-Tetratriacontane [CAS:14167-59-0] ; n-Pentatriacontane [CAS:630-07-9] ; n-Heptatriacontane [CAS:7194-84-5] ; n-Nonatriacontane [CAS:7194-86-7] ; n-Hexatriacontane [CAS:630-06-8] ; n-Octatriacontane [CAS:7194-85-6] ; n-Tetracontane [CAS:4181-95-7] in n-Hexane	1	ml	24	Yes

Carbonyl Standards

Ref. Number	Description	Volume	Msr. Unit	Shelf-life (months)	ISO 17034 ISO 17025
F128631	Carbonyl Compounds Standard Solution 15 components 15ug/ml each of Acetaldehyde-DNPH [CAS:1019-57-4] ; Acetone-DNPH [CAS:1567-89-1] ; Acrolein-DNPH [CAS:888-54-0] ; Benzaldehyde-DNPH [CAS:1157-84-2] ; n-Butyraldehyde-DNPH [CAS:1527-98-6] ; Crotonaldehyde-DNPH [CAS:1527-96-4] ; 2,5-Dimethylbenzaldehyde-DNPH [CAS:152477-96-8] ; Formaldehyde-DNPH [CAS:1081-15-8] ; Hexaldehyde-DNPH [CAS:1527-97-5] ; Isovaleraldehyde-DNPH [CAS:2256-01-1] ; Propionaldehyde-DNPH [CAS:725-00-8] ; o-Tolualdehyde-DNPH [CAS:1773-44-0] ; p-Tolualdehyde-DNPH [CAS:2571-00-8] ; m-Tolualdehyde-DNPH [CAS:2880-05-9] ; Valeraldehyde-DNPH [CAS:2057-84-3] in Acetonitrile	1	ml	24	Yes

PAH's Standards

Ref. Number	Description	Volume	Msr. Unit	Shelf-life (months)	ISO 17034 ISO 17025
F112491	PAH Standard Solution 16 components 100mg/l each of Acenaphthene D10 [CAS:15067-26-2] ; Acenaphthylene D8 [CAS:93951-97-4] ; Anthracene D10 [CAS:1719-06-8] ; Benzo(a)anthracene D12 [CAS:1718-53-2] ; Benzo(b)Fluoranthene D12 [CAS:93951-98-5] ; Benzo(k)Fluoranthene D12 [CAS:93952-01-3] ; Benzo(g,h,i)perylene D12 [CAS:93951-66-7] ; Benzo(a)pyrene D12 [CAS:63466-71-7] ; Chrysene D12 [CAS:1719-03-5] ; Dibenz(a,h) anthracene D14 [CAS:13250-98-1] ; Fluoranthene D10 [CAS:93951-69-0] ; Fluorene D10 [CAS:81103-79-9] ; Indeno(1,2,3-c,d)pyrene D12 [CAS:203578-33-0] ; Naphthalene D8 [CAS:1146-65-2] ; Phenanthrene D10 [CAS:1517-22-2] ; Pyrene D10 [CAS:1718-52-1] in Cyclohexane	1	ml	24	Yes
F872131	PAH Mixture 22 components; 200ug/ml each of Naphthalene [CAS:91-20-3] ; Acenaphthylene [CAS:208-96-8] ; Acenaphthene [CAS:83-32-9] ; Fluorene [CAS:86-73-7] ; Phenanthrene [CAS:85-01-8] ; Anthracene [CAS:120-12-7] ; Fluoranthene [CAS:206-44-0] ; Pyrene [CAS:129-00-0] ; Benzo(a)anthracene [CAS:56-55-3] ; Chrysene [CAS:218-01-9] ; Benzo(b) fluoranthene [CAS:205-99-2] ; Benzo(k)fluoranthene [CAS:207-08-9] ; Benzo(a)pyrene [CAS:50-32-8] ; Benzo(e)pyrene [CAS:192-97-2] ; Perylene [CAS:198-55-0] ; Indeno(1,2,3-c,d)pyrene [CAS:193-39-5] ; Benzo(g,h,i)perylene [CAS:191-24-2] ; Dibenzo(a,h) anthracene [CAS:53-70-3] ; Dibenzo(a,i)pyrene [CAS:189-55-9] ; Dibenzo(a,l)pyrene [CAS:191-30-0] ; Dibenzo(a,e)pyrene [CAS:192-65-4] ; Dibenzo(a,h) pyrene [CAS:189-64-0] in Dichloromethane	1	ml	24	Yes
F112481	PAH Standard Solution 4 components 100ug/ml each of Benzo(g,h,i)perylene D12 [CAS:93951-66-7] ; Benzo(a)pyrene D12 [CAS:63466-71-7] ; Naphthalene D8 [CAS:1146-65-2] ; Fluoranthene D10 [CAS:93951-69-0] in Acetonitrile	1	ml	24	Yes
FM487894	5 components; 1000ug/ml each of Acenaphthene D10 [CAS:15067-26-2] ; Chrysene D12 [CAS:1719-03-5] ; Naphthalene D8 [CAS:1146-65-2] ; Perylene D12 [CAS:1520-96-3] ; Phenanthrene D10 [CAS:1517-22-2] in Toluene	1	ml	24	Yes

PCB Calibration Standards

Ref. Number	Description	Volume	Msr. Unit	Shelf-life (months)	ISO 17034 ISO 17025
F872191	PCB Calibration mixture (acc. Guideline for Waste Fuels 2007/0697/A) 7 components; 10ug/ml each of PCB 28 [CAS:7012-37-5] ; PCB 52 (2,2',5,5'-Tetrachlorobiphenyl) [CAS:35693-99-3] ; PCB 101 (2,2',4,5,5'-Pentachlorobiphenyl) [CAS:37680-73-2] ; PCB 118 (2,3',4,4',5-Pentachlorobiphenyl) [CAS:31508-00-6] ; PCB 138 (2,2',3,4,4',5'-Hexachlorobiphenyl) [CAS:35065-28-2] ; PCB 153 (2,2',4,4',5,5'-Hexachlorobiphenyl) [CAS:35065-27-1] ; PCB 180 (2,2',3,4,4',5,5'-Heptachlorobipheny) [CAS:35065-29-3] in Iso-octane	1	ml	24	Yes
F872191.10	PCB Calibration mixture (acc. Guideline for Waste Fuels 2007/0697/A) 7 components; 10ug/ml each of PCB 28 [CAS:7012-37-5] ; PCB 52 (2,2',5,5'-Tetrachlorobiphenyl) [CAS:35693-99-3] ; PCB 101 (2,2',4,5,5'-Pentachlorobiphenyl) [CAS:37680-73-2] ; PCB 118 (2,3',4,4',5-Pentachlorobiphenyl) [CAS:31508-00-6] ; PCB 138 (2,2',3,4,4',5'-Hexachlorobiphenyl) [CAS:35065-28-2] ; PCB 153 (2,2',4,4',5,5'-Hexachlorobiphenyl) [CAS:35065-27-1] ; PCB 180 (2,2',3,4,4',5,5'-Heptachlorobipheny) [CAS:35065-29-3] in Iso-octane	10	ml	24	Yes

Ref. Number	Description	Volume	Msr. Unit	Shelf-life (months)	ISO 17034 ISO 17025
F127891	WHO/ISS PCB Mixture 32 components; 10ug/ml each of PCB 18 (2,2',5-Trichlorobiphenyl) [CAS:37680-65-2] ; PCB 28 (2,4,4'-Trichlorobiphenyl) [CAS:7012-37-5] ; PCB 31 (2,4',5-Trichlorobiphenyl) [CAS:16606-02-3] ; PCB 44 (2,2',3,5'-Tetrachlorobiphenyl) [CAS:41464-39-5] ; PCB 52 (2,2',5,5'-Tetrachlorobiphenyl) [CAS:35693-99-3] ; PCB 77 (3,3',4,4'-Tetrachlorobiphenyl) [CAS:32598-13-3] ; PCB 81 (3,4,4',5-Tetrachlorobiphenyl) [CAS:70362-50-4] ; PCB 95 (2,2',3,5',6-Pentachlorobiphenyl) [CAS:38379-99-6] ; PCB 99 (2,2',4,4',5-Pentachlorobipheny) [CAS:38380-01-7] ; PCB 101 (2,2',4,5,5'-Pentachlorobiphenyl) [CAS:37680-73-2] ; PCB 105 (2,3,3',4,4'-Pentachlorobiphenyl) [CAS:32598-14-4] ; PCB 110 (2,3,3',4',6-Pentachlorobiphenyl) [CAS:38380-03-9] ; PCB 114 (2,3,4,4',5-Pentachlorobiphenyl) [CAS:74472-37-0] ; PCB 118 (2,3',4,4',5-Pentachlorobiphenyl) [CAS:31508-00-6] ; PCB 123 (2',3,4,4',5-Pentachlorobiphenyl) [CAS:65510-44-3] ; PCB 126 (3,3'4,4',5-Pentachlorobiphenyl) [CAS:57465-28-8] ; PCB 128 (2,2',3,3',4,4'-Hexachlorobiphenyl) [CAS:38380-07-3] ; PCB 138 (2,2',3,4,4',5'-Hexachlorobiphenyl) [CAS:35065-28-2] ; PCB 146 (2,2',3,4',5,5'-Hexachlorobiphenyl) [CAS:51908-16-8] ; PCB 149 (2,2',3,4',5',6-Hexachlorobiphenyl) [CAS:38380-04-0] ; PCB 151 (2,2',3,5,5',6-Hexachlorobiphenyl) [CAS:52663-63-5] ; PCB 153 (2,2',4,4',5,5'-Hexachlorobiphenyl) [CAS:35065-27-1] ; PCB 156 (2,3,3',4,4',5-Hexachlorobiphenyl) [CAS:38380-08-4] ; PCB 157 (2,3,3',4,4',5'-Hexachlorobiphenyl) [CAS:69782-90-7] ; PCB 167 (2,3',4,4',5,5'-Hexachlorobiphenyl) [CAS:52663-72-6] ; PCB 169 (3,3',4,4',5,5'-Hexachlorobiphenyl) [CAS:32774-16-6] ; PCB 170 (2,2',3,3',4,4',5-Heptachlorobipheny) [CAS:35065-30-6] ; PCB 177 (2,2',3,3',4',5,6-Heptachlorobipheny) [CAS:52663-70-4] ; PCB 180 (2,2',3,4,4',5,5'-Heptachlorobipheny) [CAS:35065-29-3] ; PCB 183 (2,2',3,4,4',5',6-Heptachlorobipheny) [CAS:52663-69-1] ; PCB 187 (2,2',3,4',5,5',6-Heptachlorobipheny) [CAS:52663-68-0] ; PCB 189 (2,3,3',4,4',5,5'-Heptachlorobipheny) [CAS:39635-31-9] in Iso-octane	1	ml	24	Yes

Pesticide Standards

Ref. Number	Description	Volume	Msr. Unit	Shelf-life (months)	ISO 17034 ISO 17025
F127661	Standard Solution 54 components 1mg/l each of Azinphos-ethyl [CAS:2642-71-9] ; Azinphos-methyl [CAS:86-50-0] ; Bromuconazole [CAS:116255-48-2] ; Bromophos-ethyl [CAS:4824-78-6] ; Bromophos-methyl [CAS:2104-96-3] ; Captan [CAS:133-06-2] ; Chlorfenvinphos [CAS:470-90-6] ; Chlorothalonil [CAS:1897-45-6] ; Chlorpyrifos [CAS:2921-88-2] ; Chlorpyrifos methyl [CAS:5598-13-0] ; Cypermethrin [CAS:52315-07-8] ; Cyprodinil [CAS:121552-61-2] ; Deltamethrin [CAS:52918-63-5] ; Diazinon [CAS:333-41-5] ; Dichlorvos [CAS:62-73-7] ; Difenoconazole [CAS:119446-68-3] ; Diflufenican [CAS:83164-33-4] ; Dimethoate [CAS:60-51-5] ; Disulfoton [CAS:298-04-4] ; Epoxiconazole [CAS:106325-08-0] ; Esfenvalerate [CAS:66230-04-4] ; Ethion [CAS:563-12-2] ; Ethoprophos [CAS:13194-48-4] ; Fenbuconazole [CAS:114369-43-6] ; Fenitrothion [CAS:122-14-5] ; Fenpropidin [CAS:67306-00-7] ; Fenpropimorph [CAS:67564-91-4] ; Fenthion [CAS:55-38-9] ; Fluquinconazole [CAS:136426-54-5] ; Flurochloridone [CAS:61213-25-0] ; Folpet [CAS:133-07-3] ; Formothion [CAS:2540-82-1] ; Hexaconazole [CAS:79983-71-4] ; lambda-Cyhalothrin [CAS:91465-08-6] ; Malathion [CAS:121-75-5] ; Metazachlor [CAS:67129-08-2] ; Metolachlor [CAS:51218-45-2] ; Oxadiazon [CAS:19666-30-9] ; Paclobutrazol [CAS:76738-62-0] ; Parathion [CAS:56-38-2] ; Parathion-methyl [CAS:298-00-0] ; Procymidone [CAS:32809-16-8] ; Propetamphos [CAS:31218-83-4] ; Propiconazole [CAS:60207-90-1] ; Tebuconazole [CAS:107534-96-3] ; Terbufos [CAS:13071-79-9] ; Triadimefon [CAS:43121-43-3] ; Tri-allate [CAS:2303-17-5] ; Trifluralin [CAS:1582-09-8] ; Etrimfos [CAS:38260-54-7] ; Permethrin [CAS:52645-53-1] ; Metconazole [CAS:125116-23-6] ; Cyproconazole [CAS:113096-99-4] ; Flusilazole [CAS:85509-19-9] in n-Hexane	10	ml	6	Yes

Volatile and Semi-volatile Standards

Ref. Number	Description	Volume	Msr. Unit	Shelf-life (months)	ISO 17034 ISO 17025
F115901	Semi-Volatiles Internal Standard Mixture - 6 components; 2000ug/ml each of Acenaphthene D10 [CAS:15067-26-2] ; Chrysene D12 [CAS:1719-03-5] ; 1,4-Dichlorobenzene D4 [CAS:3855-82-1] ; Naphthalene D8 [CAS:1146-65-2] ; Perylene D12 [CAS:1520-96-3] ; Phenanthrene D10 [CAS:1517-22-2] in Dichloromethane	1	ml	24	Yes
F867791	Base/Neutrals Surrogate Standard Mixture - 3 components; 1000ug/ml each of 2-Fluorobiphenyl [CAS:321-60-8] ; Nitrobenzene D5 [CAS:4165-60-0] ; p-Terphenyl D14 [CAS:1718-51-0] in Dichloromethane	1	ml	24	Yes

Ref. Number	Description	Volume	Msr. Unit	Shelf-life (months)	ISO 17034 ISO 17025
F112751A	VOC Sandard Solution 59 components; 2000ug/ml each of Bromochloromethane [CAS:74-97-5] ; Bromodichloromethane [CAS:75-27-4] ; Tribromomethane (Bromoform) [CAS:75-25-2] ; Tetrachloromethane (Carbon tetrachloride) [CAS:56-23-5] ; Chloroform [CAS:67-66-3] ; Dibromochloromethane [CAS:124-48-1] ; Dibromomethane [CAS:74-95-3] ; Dichloromethane (Methylene chloride) [CAS:75-09-2] ; 1,2-Dibromoethane [CAS:106-93-4] ; 1,1-Dichloroethane [CAS:75-34-3] ; 1,2-Dichloroethane [CAS:107-06-2] ; 1,1-Dichloroethene [CAS:75-35-4] ; cis-1,2-Dichloroethene [CAS:156-59-2] ; trans-1,2-Dichloroethene [CAS:156-60-5] ; 1,1,1,2-Tetrachloroethane [CAS:630-20-6] ; 1,1,2,2-Tetrachloroethane [CAS:79-34-5] ; Tetrachloroethene [CAS:127-18-4] ; 1,1,1-Trichloroethane [CAS:71-55-6] ; 1,1,2-Trichloroethane [CAS:79-00-5] ; Trichloroethene [CAS:79-01-6] ; 1,2-Dibromo-3-chloropropane [CAS:96-12-8] ; 1,2-Dichloropropane [CAS:78-87-5] ; 1,3-Dichloropropane [CAS:142-28-9] ; 2,2-Dichloropropane [CAS:594-20-7] ; 1,1-Dichloropropene [CAS:563-58-6] ; cis-1,3-Dichloropropene [CAS:10061-01-5] ; trans-1,3-Dichloropropene [CAS:10061-02-6] ; Hexachloro-1,3-butadiene (Hexachlorobutadiene) [CAS:87-68-3] ; 1,2,3-Trichloropropane [CAS:96-18-4] ; Benzene [CAS:71-43-2] ; n-Butylbenzene [CAS:104-51-8] ; sec-Butylbenzene [CAS:135-98-8] ; tert-Butylbenzene [CAS:98-06-6] ; Ethylbenzene [CAS:100-41-4] ; Isopropylbenzene [CAS:98-82-8] ; 4-Isopropyltoluene [CAS:99-87-6] ; Naphthalene [CAS:91-20-3] ; n-Propylbenzene [CAS:103-65-1] ; Styrene [CAS:100-42-5] ; Toluene [CAS:108-88-3] ; 1,2,4-Trimethylbenzene [CAS:95-63-6] ; 1,3,5-Trimethylbenzene [CAS:108-67-8] ; o-Xylene [CAS:95-47-6] ; m-Xylene [CAS:108-38-3] ; p-Xylene [CAS:106-42-3] ; Bromobenzene [CAS:108-86-1] ; Chlorobenzene [CAS:108-90-7] ; 2-Chlorotoluene [CAS:95-49-8] ; 4-Chlorotoluene [CAS:106-43-4] ; 1,2-Dichlorobenzene [CAS:95-50-1] ; 1,3-Dichlorobenzene [CAS:541-73-1] ; 1,4-Dichlorobenzene [CAS:106-46-7] ; 1,2,3-Trichlorobenzene [CAS:87-61-6] ; 1,2,4-Trichlorobenzene [CAS:120-82-1] ; Chloroethane [CAS:75-00-3] ; Chloromethane [CAS:74-87-3] ; Dichlorodifluoromethane [CAS:75-71-8] ; Fluorotrichloromethane (Trichlorofluoromethane) [CAS:75-69-4] ; Vinylchloride [CAS:75-01-4] in Methanol	1	ml	24	Yes
F127731	VOC Standard Solution 12 components 1000mg/l each of Bromodichloromethane [CAS:75-27-4] ; Dibromochloromethane [CAS:124-48-1] ; 1,2-Dichloroethane [CAS:107-06-2] ; cis-1,2-Dichloroethene [CAS:156-59-2] ; Dichloromethane [CAS:75-09-2] ; Tetrachloroethene [CAS:127-18-4] ; Tetrachloromethane [CAS:56-23-5] ; Tribromomethane [CAS:75-25-2] ; 1,1,1-Trichloroethane [CAS:71-55-6] ; Trichloroethene [CAS:79-01-6] ; Chloroform [CAS:67-66-3] ; Benzene [CAS:71-43-2] in Methanol	1	ml	24	Yes

Ref. Number	Description	Volume	Msr. Unit	Shelf-life (months)	ISO 17034 ISO 17025
F890291	Internal Standard Mixture - 3 components; 2500ug/ml each of Chlorobenzene D5 [CAS:3114-55-4] ; 1,4-Dichlorobenzene D4 [CAS:3855-82-1] ; Fluorobenzene [CAS:462-06-6] in Methanol	1	ml	24	Yes
RD0089451	VOC Standard Solution 60 components (EPA 502) - 60 components; 200ug/ml each of Benzene [CAS:71-43-2] ; Bromobenzene [CAS:108-86-1] ; Bromochloromethane [CAS:74-97-5] ; Bromodichloromethane [CAS:75-27-4] ; Bromomethane [CAS:74-83-9] ; n-Butylbenzene [CAS:104-51-8] ; sec-Butylbenzene [CAS:135-98-8] ; tert-Butylbenzene [CAS:98-06-6] ; Chlorobenzene [CAS:108-90-7] ; Chloroethane [CAS:75-00-3] ; Chloroform [CAS:67-66-3] ; Chloromethane [CAS:74-87-3] ; 2-Chlorotoluene [CAS:95-49-8] ; 4-Chlorotoluene [CAS:106-43-4] ; 1,2-Dibromo-3-chloropropane [CAS:96-12-8] ; Dibromochloromethane [CAS:124-48-1] ; 1,2-Dibromoethane [CAS:106-93-4] ; Dibromomethane [CAS:74-95-3] ; 1,2-Dichlorobenzene [CAS:95-50-1] ; 1,3-Dichlorobenzene [CAS:541-73-1] ; 1,4-Dichlorobenzene [CAS:106-46-7] ; Dichlorodifluoromethane [CAS:75-71-8] ; 1,1-Dichloroethane [CAS:75-34-3] ; 1,2-Dichloroethane [CAS:107-06-2] ; 1,1-Dichloroethene [CAS:75-35-4] ; cis-1,2-Dichloroethene [CAS:156-59-2] ; trans-1,2-Dichloroethene [CAS:156-60-5] ; Dichloromethane (Methylene chloride) [CAS:75-09-2] ; 1,2-Dichloropropane [CAS:78-87-5] ; 1,3-Dichloropropane [CAS:142-28-9] ; 2,2-Dichloropropane [CAS:594-20-7] ; 1,1-Dichloropropene [CAS:563-58-6] ; cis-1,3-Dichloropropene [CAS:10061-01-5] ; trans-1,3-Dichloropropene [CAS:10061-02-6] ; Ethylbenzene [CAS:100-41-4] ; Fluorotrichloromethane (Trichlorofluoromethane) [CAS:75-69-4] ; Hexachloro-1,3-butadiene (Hexachlorobutadiene) [CAS:87-68-3] ; Isopropylbenzene [CAS:98-82-8] ; 4-Isopropyltoluene [CAS:99-87-6] ; Naphthalene [CAS:91-20-3] ; n-Propylbenzene [CAS:103-65-1] ; Styrene [CAS:100-42-5] ; 1,1,1,2-Tetrachloroethane [CAS:630-20-6] ; 1,1,2,2-Tetrachloroethane [CAS:79-34-5] ; Tetrachloroethene [CAS:127-18-4] ; Tetrachloromethane (Carbon tetrachloride) [CAS:56-23-5] ; Toluene [CAS:108-88-3] ; Tribromomethane (Bromoform) [CAS:75-25-2] ; 1,2,3-Trichlorobenzene [CAS:87-61-6] ; 1,2,4-Trichlorobenzene [CAS:120-82-1] ; 1,1,1-Trichloroethane [CAS:71-55-6] ; 1,1,2-Trichloroethane [CAS:79-00-5] ; Trichloroethene [CAS:79-01-6] ; 1,2,3-Trichloropropane [CAS:96-18-4] ; 1,2,4-Trimethylbenzene [CAS:95-63-6] ; 1,3,5-Trimethylbenzene [CAS:108-67-8] ; Vinylchloride [CAS:75-01-4] ; m-Xylene [CAS:108-38-3] ; o-Xylene [CAS:95-47-6] ; p-Xylene [CAS:106-42-3] in Methanol	1	ml	24	Yes

Ref. Number	Description	Volume	Msr. Unit	Shelf-life (months)	ISO 17034 ISO 17025
F119241A	VOC Standard Solution 47 components; 200ug/ml each of Benzene [CAS:71-43-2] ; Bromochloromethane [CAS:74-97-5] ; Bromodichloromethane [CAS:75-27-4] ; Tribromomethane (Bromoform) [CAS:75-25-2] ; Tetrachloromethane (Carbon tetrachloride) [CAS:56-23-5] ; Chlorobenzene [CAS:108-90-7] ; Dibromochloromethane (Chlorodibromomethane) [CAS:124-48-1] ; Chloroethane [CAS:75-00-3] ; Chloroform [CAS:67-66-3] ; Chloromethane [CAS:74-87-3] ; 1,2-Dibromo-3-chloropropane [CAS:96-12-8] ; 1,2-Dibromoethane [CAS:106-93-4] ; Dibromomethane [CAS:74-95-3] ; 1,2-Dichlorobenzene [CAS:95-50-1] ; 1,3-Dichlorobenzene [CAS:541-73-1] ; 1,4-Dichlorobenzene [CAS:106-46-7] ; Dichlorodifluoromethane [CAS:75-71-8] ; 1,1-Dichloroethane [CAS:75-34-3] ; 1,2-Dichloroethane [CAS:107-06-2] ; 1,1-Dichloroethene [CAS:75-35-4] ; cis-1,2-Dichloroethene [CAS:156-59-2] ; trans-1,2-Dichloroethene [CAS:156-60-5] ; 1,2-Dichloropropane [CAS:78-87-5] ; 1,3-Dichloropropane [CAS:142-28-9] ; 2,2-Dichloropropane [CAS:594-20-7] ; cis-1,3-Dichloropropene [CAS:10061-01-5] ; trans-1,3-Dichloropropene [CAS:10061-02-6] ; Ethylbenzene [CAS:100-41-4] ; Hexachloro-1,3-butadiene (Hexachlorobutadiene) [CAS:87-68-3] ; Isopropylbenzene [CAS:98-82-8] ; Dichloromethane (Methylene chloride) [CAS:75-09-2] ; Naphthalene [CAS:91-20-3] ; Styrene [CAS:100-42-5] ; 1,1,1,2-Tetrachloroethane [CAS:630-20-6] ; 1,1,2,2-Tetrachloroethane [CAS:79-34-5] ; Tetrachloroethene [CAS:127-18-4] ; Toluene [CAS:108-88-3] ; 1,2,4-Trichlorobenzene [CAS:120-82-1] ; 1,1,1-Trichloroethane [CAS:71-55-6] ; 1,1,2-Trichloroethane [CAS:79-00-5] ; Trichloroethene [CAS:79-01-6] ; Fluorotrichloromethane (Trichlorofluoromethane) [CAS:75-69-4] ; 1,2,3-Trichloropropane [CAS:96-18-4] ; Vinylchloride [CAS:75-01-4] ; o-Xylene [CAS:95-47-6] ; m-Xylene [CAS:108-38-3] ; p-Xylene [CAS:106-42-3] in Methanol	1	ml	24	Yes
RD0153871	6 components; 10ug/ml each of 1,2-Dichloroethane [CAS:107-06-2] ; Tetrachloroethene [CAS:127-18-4] ; Trichloroethene [CAS:79-01-6] ; Epichlorhydrin [CAS:106-89-8] ; Vinylchloride [CAS:75-01-4] ; Benzene [CAS:71-43-2] in Methanol	1	ml		Yes
RD0040061	6 components; 1000ug/ml each of Benzene [CAS:71-43-2] ; Toluene [CAS:108-88-3] ; Ethylbenzene [CAS:100-41-4] ; o-Xylene [CAS:95-47-6] ; m-Xylene [CAS:108-38-3] ; p-Xylene [CAS:106-42-3] in Methanol	1	ml		Yes
RD0210131	9 components; 1000mg/l each of Benzene [CAS:71-43-2] ; Toluene [CAS:108-88-3] ; Ethylbenzene [CAS:100-41-4] ; p-Xylene [CAS:106-42-3] ; m-Xylene [CAS:108-38-3] ; Isopropylbenzene [CAS:98-82-8] ; o-Xylene [CAS:95-47-6] ; n-Propylbenzene [CAS:103-65-1] ; Styrene [CAS:100-42-5] in Methanol	1	ml		Yes

Ph Eur > Fatty Acids

Ref. Number	Description	Volume	Msr. Unit	Shelf-life (months)	ISO 17034 ISO 17025
2.4.22-1	Fatty Acids - Mixture of calibrating substances according to Ph Eur 2.4.22-1 - 6 components; Methyl laurate R [CAS:111-82-0] 5% (m/m) ; Methyl myristate R [CAS:124-10-7] 5% (m/m) ; Methyl palmitate R [CAS:112-39-0] 10% (m/m) ; Methyl stearate R[CAS:112-61-8] 20% (m/m) ; Methyl arachidate R [CAS:1120-28-1] 40% (m/m) ; Methyl Oleate R [CAS:112-62-9] 20% (m/m)	100	mg	24	Yes
2.4.22-2	Fatty Acids - Mixture of calibrating substances according to Ph Eur 2.4.22-2 - 5 components; Methyl caproate R [CAS:106-70-7] 10% (m/m) ; Methyl caprylate R [CAS:111-11-5] 10% (m/m) ; Methyl decanoate R [CAS:110-42-9] 20% (m/m) ; Methyl laurate R[CAS:111-82-0] 20% (m/m) ; Tetradecanoic acid-methyl ester (Methyl myristate) [CAS:124-10-7] 40% (m/m)	100	mg	24	Yes
2.4.22-3	Fatty Acids - Mixture of calibrating substances according to Ph Eur 2.4.22-3 8 components; Methyl myristate R[CAS:124-10-7] 5% (m/m) ; Methyl palmitate R [CAS:112-39-0] 10% (m/m) ; Methyl stearate R [CAS:112-61-8] 15% (m/m) ; Methyl arachidate R[CAS:1120-28-1] 20% (m/m) ; Methyl Oleate [CAS:112-62-9] 20% (m/m) ; Methyl Eicosenoate R [CAS:2390-09-2] 10% (m/m) ; Methyl behenate R [CAS:929-77-1] 10% (m/m) ; Methyl Linocerate R [CAS:2442-49-1] 10% (m/m)	100	mg	24	Yes

BDE Standards

Ref. Number	Description	Volume	Msr. Unit	Shelf-life (months)	ISO 17034 ISO 17025
RD0142441	10 components; 50mg/l each of BDE 2 [CAS:6876-00-2] ; BDE 13 [CAS:83694-71-7] ; BDE 28 [CAS:41318-75-6] ; BDE 66 [CAS:189084-61-5] ; BDE 85 [CAS:182346-21-0] ; BDE 138 [CAS:182677-30-1] ; BDE 190 [CAS:189084-68-2] ; BDE 205 [CAS:446255-56-7] ; BDE 206 [CAS:63387-28-0] ; BDE 209 [CAS:1163-19-5] in Toluene	1	ml	24	Yes

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