



Chem-lab is pleased to offer a large selection of High Purity Solvents.

Our High Purity Solvents are filtered through 0.2 µm filters and bottled under nitrogen.

Our screw caps are fitted with an inner Teflon seal to protect the solvent against possible contamination after bottling and during storage.



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ISO 9001 CERTIFIED "Tailor made reagents"

Chem-Lab

High Purity Solvents

- HPLC Grade Solvents
- Pesticide Grade Solvents
- LC-MS Grade Solvents
- Dissolution Media
- Ion Pair Reagents
- Anhydrous Solvents





HPLC Grade Solvents

- High UV transmission
- Filtered through 0.2 µm filters
- Low residue after evaporation
- Low water levels
- Low UV absorbance
- Lot-to-lot consistency

Article Number	Description	Pack size
CL00.0172	Acetone, HPLC grade	1l 2,5l
CL00.0174	Acetonitrile, HPLC grade	1l 2,5l
CL00.0175	Acetonitrile, HPLC gradient grade	1l 2,5l
CL00.0189	Acetonitrile, HPLC super gradient grade	1l 2,5l
CL00.0243	Butanol-(1), HPLC grade	2,5l
CL00.0363	Chloroform, HPLC grade (Stabilized with Amylene)	1l 2,5l
CL00.0376	Chloroform, HPLC grade (Stabilized with Ethanol)	1l 2,5l
CL00.0377	Cyclohexane, HPLC grade	1l 2,5l
CL00.0411	Dichloromethane, HPLC grade (Stabilized with Amylene)	1l 2,5l
CL00.0410	Diethylether, HPLC grade (Store between 8 & 15°C)	1l 2,5l
CL00.0417	Dioxan-(1,4), HPLC grade	2,5l
CL00.0529	Ethanol, abs. 100%, HPLC grade	1l 2,5l
CL00.0515	Ethyl acetate, HPLC grade	2,5l
CL00.0522	Ethyl methyl ketone, HPLC grade (MEK)	2,5l
CL00.0823	Heptane-(n) 95+%, HPLC grade	1l
CL00.0816	Heptane-(n) 99+%, HPLC grade	1l 2,5l
CL00.0824	Heptane-(n) fraction, HPLC grade	2,5l
CL00.0815	Hexane-(n) 95%, HPLC grade	2,5l
CL00.0817	Hexane-(n) 99%, HPLC grade	1l 2,5l
CL00.0828	Hexane-(n) fraction, HPLC grade (mixture of isomers)	2,5l
CL00.1363	Methanol, HPLC grade	1l 2,5l
CL00.1364	Methanol, HPLC gradient grade	1l 2,5l
CL00.1371	Methanol, HPLC super gradient grade	1l 2,5l
CL00.1373	Methyl tert-butyl ether, HPLC grade (MTBE)	2,5l
CL00.1505	Octane-(iso), HPLC grade	2,5l
CL00.1625	Pentane-(n) 95+%, HPLC grade	2,5l
CL00.1622	Pentane-(n) 99+%, HPLC grade	2,5l
CL00.1631	Petroleum ether 40-60, HPLC grade	2,5l
CL00.1632	Petroleum ether 60-80, HPLC grade	2,5l
CL00.0924	Propanol-1 (n-Propanol), HPLC grade	2,5l
CL00.0920	Propanol-2 (iso-Propanol), HPLC grade	1l 2,5l
CL00.2027	Tetrahydrofuran, HPLC grade	1l 2,5l
CL00.2028	Toluene, HPLC grade	1l 2,5l
CL00.2033	Trichloroethylene, HPLC grade	2,5l
CL02.0221	Water, HPLC grade	1l 2,5l



CHEM-LAB HIGH PURITY SOLVENTS

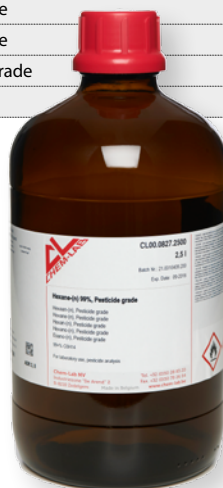


Pesticide Grade Solvents

Additional specification for Pesticide grade products:

- Impurities causing interfering peaks on gas chromatogram are not greater than:
5 ng/l of lindane by electron capture detection, 10ng/ml of ethylparathion by phosphorous nitrogen detection.
- For residue analysis

Article Number	Description	Pack size
CL00.0191	Acetone, Pesticide grade	1 l 2,5 l
CL00.0190	Acetonitrile, Pesticide grade	2,5 l
CL00.0391	Chloroform, Pesticide grade (Stabilized with 1% ethanol)	2,5 l
CL00.0392	Cyclohexane, Pesticide grade	1 l 2,5 l
CL00.0419	Dichloromethane, Pesticide grade (Stabilized with Amylene)	1 l 2,5 l
CL00.0418	Diethylether, Pesticide grade (Store between 8 & 15°C)	1 l 2,5 l
CL00.0521	Ethyl acetate, Pesticide grade	2,5 l
CL00.0825	Heptane-(n) 95+%, Pesticide grade	2,5 l
CL00.0826	Hexane-(n) 95%, Pesticide grade	2,5 l
CL00.0827	Hexane-(n) 99%, Pesticide grade	2,5 l
CL00.1372	Methanol, Pesticide grade	2,5 l
CL00.1513	Octane(-iso), Pesticide grade	2,5 l
CL00.1633	Pentane(-n) 99+%, Pesticide grade	2,5 l
CL00.1634	Petroleum ether 40-60, Pesticide grade	2,5 l
CL00.1635	Petroleum ether 60-80, Pesticide grade	2,5 l
CL00.0925	Propanol-2 (iso-Propanol), Pesticide grade	2,5 l
CL00.2034	Toluene, Pesticide grade	2,5 l





LC-MS Grade Solvents

Additional specification for LC-MS grade products:

- Low alkaline metal content of maximum 0.1 ppm



Article Number	Description	Pack size
CL00.0194	Acetonitrile, LC-MS grade	1 l 2,5 l
CL00.0524	Ethyl acetate, LC-MS grade	1 l 2,5 l
CL00.1377	Methanol, LC-MS grade	1 l 2,5 l
CL00.0926	Propanol-2 (iso-Propanol), LC-MS grade	1 l 2,5 l
CL02.0240	Water, LC-MS grade	1 l 2,5 l

Dissolution Media

Introducing the New Dissolution Media

Article Number	Description	Pack size
CL00.2720	Acetic acid glacial 99-100%, eluent additive for LC-MS	50 ml
CL02.0194	Acetonitrile with 0.1% acetic acid, LC-MS	1 l
CL02.0195	Acetonitrile with 0.1% formic acid, LC-MS	1 l
CL02.0196	Acetonitrile with 0.1% trifluoroacetic acid, LC-MS	1 l
CL00.2721	Ammonia 25 weight % solution, eluent additive for LC-MS	50 ml
CL02.0172	Ammonium acetate 10 mMol in Water, pH7 buffered, LC-MS	1 l
CL00.2722	Ammonium acetate, eluent additive for LC-MS	50 g
CL00.2723	Ammonium formate, eluent additive for LC-MS	50 g
CL02.1342	Formic acid 10% in water, for cleaning purposes, LC-MS	1 l
CL00.1388	Formic acid 98-100%, eluent additive for LC-MS	50 ml
CL02.1339	Methanol with 0.1% acetic acid, LC-MS	1 l
CL02.1341	Methanol with 0.1% ammonium acetate, LC-MS	1 l
CL02.1340	Methanol with 0.1% trifluoroacetic acid, LC-MS	1 l
CL02.0921	Propanol-2 (iso)/water 50/50 mixture, for cleaning purposes, LC-MS	5 l
CL00.2049	Triethylamine, eluent additive for LC-MS	50 ml
CL00.2050	Trifluoroacetic acid, eluent additive for LC-MS	50 ml
CL02.2103	Water with 0.1% acetic acid, LC-MS	1 l
CL02.2106	Water with 0.1% ammonium acetate, LC-MS	1 l
CL02.2104	Water with 0.1% formic acid, LC-MS	1 l
CL02.2105	Water with 0.1% trifluoroacetic acid, LC-MS	1 l



Ion Pair Reagents

- High purity: 99+%
- Controlled pH
- Minimum UV absorption in the far UV
- Loss on drying

Article Number	Description	Pack size
CL00.0270	Butane-1-sulfonic acid Na salt, IP HPLC grade	25 g
CL00.2948	Cetyltrimethylammonium hydrogen sulfate, IP HPLC grade	25 g
CL00.0425	Decane-1-sulfonic acid Na salt, IP HPLC grade	100 g
CL00.0471	Dodecyl hydrogen sulfate Na salt, IP HPLC grade	25 g
CL00.0836	Heptane-1-sulfonic acid Na salt, IP HPLC grade	100 g
CL00.0835	Hexane-1-sulfonic acid Na salt, IP HPLC grade	100 g
CL00.1515	Octane-1-sulfonic acid Na salt, IP HPLC grade	100 g
CL00.0198	Pentane-1-sulfonic acid Na salt, IP HPLC grade	100 g
CL00.2091	Tetramethylammonium hydrogen sulfate, IP HPLC grade	25 g

Anhydrous Solvents

Introducing the New Anhydrous Solvents

Article Number	Description	Pack size
CL00.2746	Acetonitrile, anhydrous a.r.	2,5 l
CL00.2907	Chloroform, anhydrous a.r. (etoH)	2,5 l
CL00.2949	Chloroform, anhydrous a.r. (amyl)	2,5 l
CL00.0473	Dichloromethane, anhydrous a.r. (amyl)	2,5 l
CL00.0475	Diethylether, anhydrous a.r. (BHT)	2,5 l
CL00.0476	1,4-Dioxane, anhydrous a.r. (BHT)	2,5 l
CL00.0472	Dimethylformamide, anhydrous a.r.	2,5 l
CL00.0474	Dimethylsulfoxide, anhydrous a.r.	2,5 l
CL00.0548	Ethyl acetate, anhydrous a.r.	2,5 l
CL00.0852	Heptane(-n) 99%, anhydrous a.r.	2,5 l
CL00.0851	Hexane(-n) 99%, anhydrous a.r.	2,5 l
CL00.3913	Methanol, anhydrous a.r.	2,5 l
CL00.4039	N-methylpyrrolidon, anhydrous a.r.	2,5 l
CL00.1688	Pyridine, anhydrous a.r.	2,5 l
CL00.2092	Tetrahydrofuran, anhydrous a.r. (BHT)	2,5 l
CL00.2093	Toluene, anhydrous a.r.	2,5 l



Strict Quality Control

- To guarantee our specifications, we perform strict GC quality controls.
- Our COA includes exactly marked impurities.
- For product specifications and additional technical information, please visit www.chem-lab.be

Product Analysis Certificate

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Art. Nr. : CL00.0175 Lot Nr. : 22.1690910.3000

Acetonitrile, HPLC gradient grade
99.9% CH3CN

Use: For laboratory use, HPLC
Traceability: Reference standards

Specifications	Spec. value	Batch value
Assay	99.9%	99.9%
Water	<0.050%	<0.050%
Acidity	<0.00050mg/g	<0.00050mg/g
Non-volatiles	<0.00050%	<0.00050%
UV Absorbance @ 210nm	UV<0.050	<0.050
Transmittance @ 100nm	>90%	90.0%
Transmittance @ 110nm	>90%	90.0%
Transmittance @ 120nm	>90%	90.0%
Transmittance @ 130nm	>90%	90.0%
Transmittance @ 140nm	>90%	90.0%
Transmittance @ 150nm	>90%	90.0%
Transmittance @ 160nm	>90%	90.0%

Chemist: Luis Bianchi Date of release: 09-10-2014
Expires: Oct 2017

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Analysis

SAMPLE Scan Analysis Report (On request)

SAMPLE Product Analysis Certificate

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Scan Analysis Report

Sample Name: **22_1692001_400_Trimethylcarbonium**

Wavelength (nm)	Absorbance	Transmittance (%)
190.0	0.000	100.000
195.0	0.000	100.000
200.0	0.000	100.000
205.0	0.000	100.000
210.0	0.500	50.000
215.0	0.000	100.000
220.0	0.000	100.000
225.0	0.000	100.000
230.0	0.000	100.000
235.0	0.000	100.000
240.0	0.000	100.000
245.0	0.000	100.000
250.0	0.000	100.000
255.0	0.000	100.000
260.0	0.000	100.000
265.0	0.000	100.000
270.0	0.000	100.000
275.0	0.000	100.000
280.0	0.000	100.000
285.0	0.000	100.000
290.0	0.000	100.000
295.0	0.000	100.000
300.0	0.000	100.000
305.0	0.000	100.000
310.0	0.000	100.000
315.0	0.000	100.000
320.0	0.000	100.000
325.0	0.000	100.000
330.0	0.000	100.000
335.0	0.000	100.000
340.0	0.000	100.000
345.0	0.000	100.000
350.0	0.000	100.000
355.0	0.000	100.000
360.0	0.000	100.000
365.0	0.000	100.000
370.0	0.000	100.000
375.0	0.000	100.000
380.0	0.000	100.000
385.0	0.000	100.000
390.0	0.000	100.000
395.0	0.000	100.000
400.0	0.000	100.000



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