RCI Labscan
GROUP

Chemicals for Liquid Chromatography techniques

Quality excellence is at the heart of RCI Labscan strategy.

Reliability based on efficient and standardized processes.

Consistent quality to ensure reliable analyses.

RCI Labscan
RCI Labscan Limited

1st Edition

The LC reagents from RCI Labscan delivers and match yours all high standards, expectations and providing reliable results. Firmly backed by our commitment to innovation Research and Development, we now provide 68 availability of products.

HPLC Grade

- For analytical and preparative separation.
- Mobile phase in HPLC or LC technique including gel permeation chromatography
- Suitable for various types of detector
- Use in the wavelength between 190-230 nm (Far UV region)

Gradient Grade

- For analytical and preparative separation.
- Mobile phase for gradient technique.
- Low baseline drift and low levels of impurities.

LC-MS Grade

- For analytical and preparative separation.
- Suitable for LC-MS analytical technique.
- Low level of trace metals and filtered through 0.1 µm filters.
- Low fluorescence and high UV transmittance.
- Low acidity & alkalinity, and low particulates to ensure minimal interference.

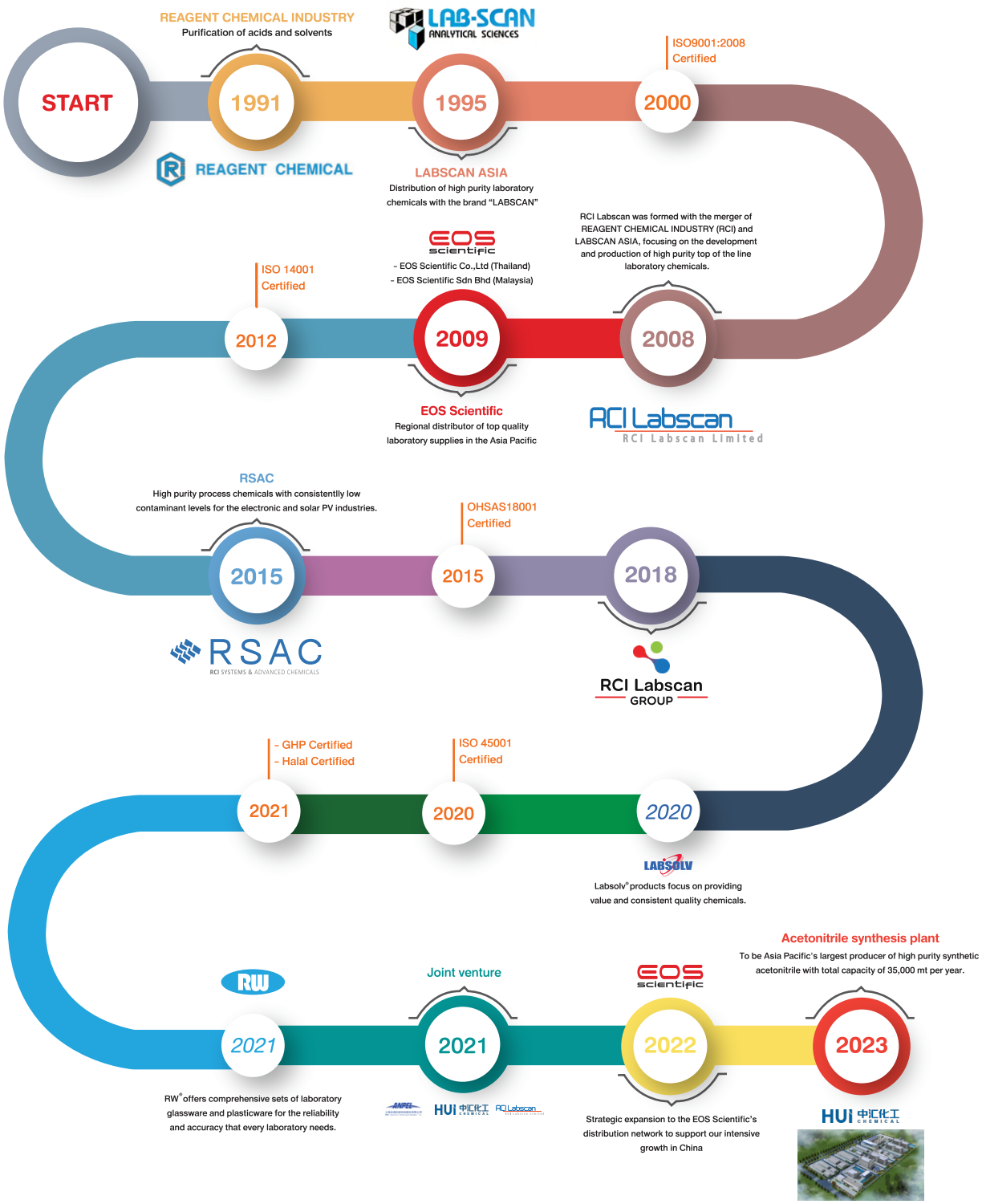
ULC-MS Grade

- For analytical and preparative separation.
- Designed to meet the high requirements of the updated chemical analysis equipment technologies.
- Providing clear and reliable results in positive and negative modes.
- Suitable for ULC-MS analytical technique.
- It has high purity solvent with low level of trace metals and filtered through at least 0.1 µm filters.
- Low fluorescence and high UV transmittance.
- Low acidity & alkalinity, and low particulates to ensure minimal interference.

A timeline of our RCI Labscan group history

We're an industry leader

Established in 1991, RCI Labscan Group is a conglomerate of companies, comprising of RCI Labscan Limited, EOS Scientific, and RCI Systems & Advanced Chemicals. We manufacture and distribute high-purity chemicals for businesses in a wide variety of industries in over 20 countries. In doing so, our company has grown to become one of Asia Pacific's leading high purity chemicals supplier.



COMPANY PROFILE - RCI Labscan Limited

Company History

RCI LABSCAN Limited

was established in 2008, from the acquisition and merger of Labscan Asia Co., Ltd and Reagent Chemical Industry Co., Ltd. The intensive investment also included the acquisition of Technology and Capability from USA, Europe (UK and Germany), and Asia. The company is already the preferred OEM supplier to a number of global multinational companies. With latest validity equipment, our Quality Control Laboratory is recognized as the Final Quality Testing Lab by some of its Multi-Nation Customer (MNC).

Our products are made available to customers under the brand RCI Labscan for chemical products with various laboratories as well as industrial applications.

With world-class technology and expertise, a strong commitment to excellence in quality, service and value to customers, RCI Labscan has grown rapidly to become one of the leading manufacturers and distributors of purified reagents in Asia.

Labscan Asia Co., LTD. (Established in 1995)

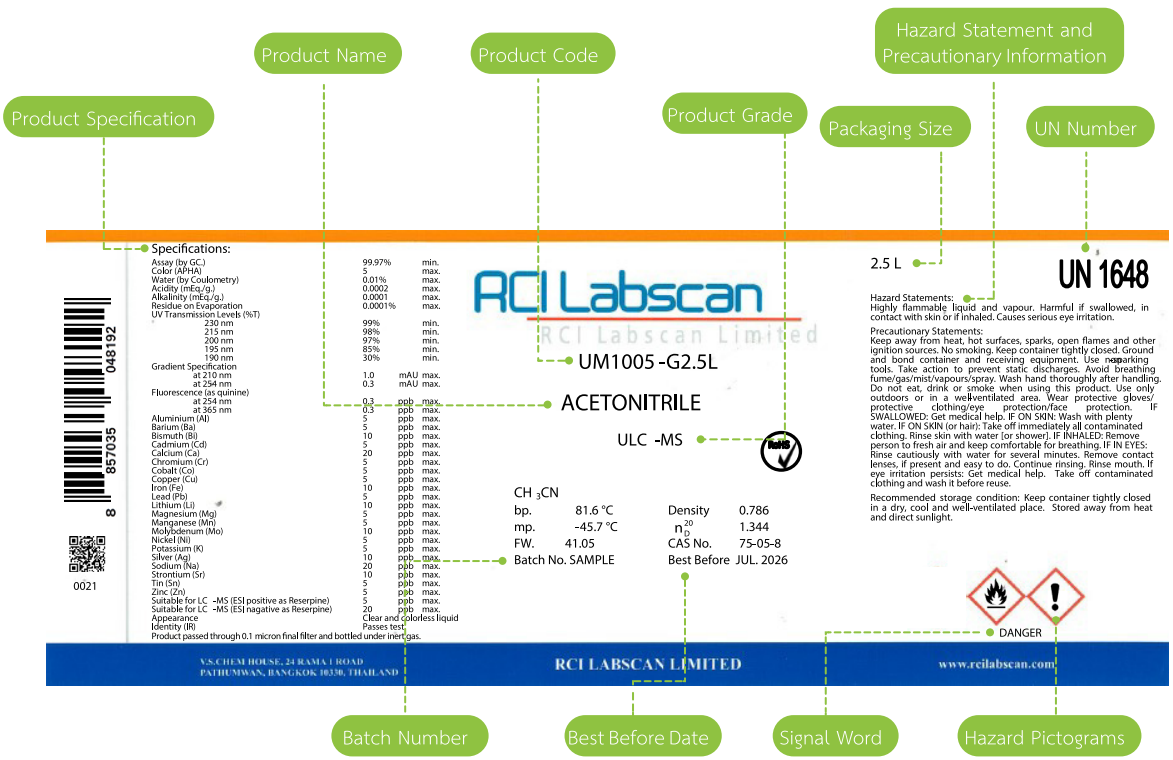
- Joint venture with VS General Chem Group and Labscan Ireland Ltd.
- Production of HIGH PURITY Laboratory Reagents.
- Strong in OEM business and Research/Laboratories in Asia.

Reagent Chemical Co., LTD. (Established in 1991)

- Plant designed to produce Electronic Grade and Laboratory Grade ACIDS and SOLVENTS.
- Strong in OEM and Electronics Industry.

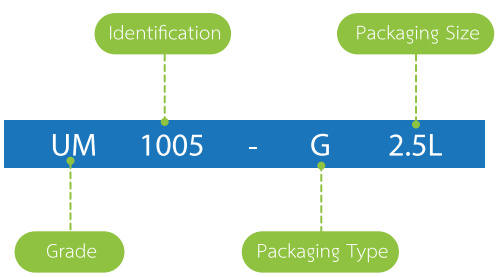
RCI LABSCAN LABEL

Our Label is designed to provide the necessary up to date information and is in compliance with the GHS system (Globally Harmonized System of Classification and Labelling of Chemicals)



PRODUCT CODE GUIDE

EXAMPLE: UM1005-G2.5L



Accreditations

ISO 9001

ISO 14001

ISO 45001

GHP Certificate

Halal

PACKAGING

“Packaging for safety, convenience and product quality”

RCI Labscan products are available in a comprehensive range of packaging designed for safety, environmental protection, convenient handling and storage. All packaging are guaranteed to preserve the integrity of our products.

Amber Glass Bottles:

Suitable for photosensitive Chemicals.

We offer 500ml., 1 Litre, 2.5 Litre and 4 Litre size
500 ml. and 1 Litre: 6 bottles per box
2.5 Litre and 4 Litre: 4 bottles per box

PRODUCT INDEX

ULC-MS GRADE

Acetonitrile

CH_3CN	FW. 41.05	Melting Point	-45.7 °C
CAS-No.	75-05-8	Boiling Point	81.6 °C
Density 1 L	0.786 Kg.		

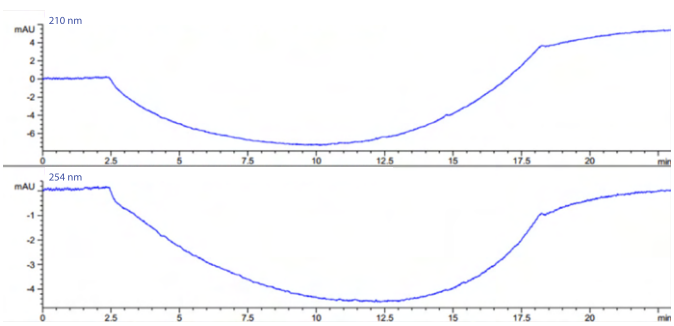
Acetonitrile, ULC-MS — UM1005

Specifications

Assay (by GC.)	99.97%	min.
Appearance	Clear and colorless liquid	
Identity (IR)	Passes test	
Color (APHA)	5	max.
Water (by Coulometry)	0.01%	max.
Acidity (mEq./g.)	0.0002	max.
Alkalinity (mEq./g.)	0.0001	max.
Residue on Evaporation	0.0001%	max.
UV Transmission Levels (%T)		
230 nm	99%	min.
215 nm	98%	min.
200 nm	97%	min.
195 nm	85%	min.
190 nm	30%	min.
Gradient Specification		
at 210 nm	1.0	mAU max.
at 254 nm	0.3	mAU max.
Fluorescence (as quinine)		
at 254 nm	0.3	ppb max.
at 365 nm	0.3	ppb max.
Aluminium (Al)	5	ppb max.
Barium (Ba)	5	ppb max.
Bismuth (Bi)	10	ppb max.
Cadmium (Cd)	5	ppb max.
Calcium (Ca)	20	ppb max.
Chromium (Cr)	5	ppb max.
Cobalt (Co)	5	ppb max.
Copper (Cu)	5	ppb max.

Iron (Fe)	10	ppb max.
Lead (Pb)	5	ppb max.
Lithium (Li)	10	ppb max.
Magnesium (Mg)	5	ppb max.
Manganese (Mn)	5	ppb max.
Molybdenum (Mo)	10	ppb max.
Nickel (Ni)	5	ppb max.
Potassium (K)	5	ppb max.
Silver (Ag)	10	ppb max.
Sodium (Na)	20	ppb max.
Strontium (Sr)	10	ppb max.
Tin (Sn)	5	ppb max.
Zinc (Zn)	5	ppb max.
Suitable for LC-MS (ESI positive as Reserpine)	5	ppb max.
Suitable for LC-MS (ESI nagative as Reserpine)	20	ppb max.

Product passed through 0.1 micron final filter and bottled under inert gas.



Cat No.	Package	Size
UM1005-G500ML	Glass	500 ML
UM1005-G1L	Glass	1 Litre

Cat No.	Package	Size
UM1005-G2.5L	Glass	2.5 Litre
UM1005-G4L	Glass	4 Litre

Methanol

CH_3OH	FW. 32.04	Melting Point	-98 °C
CAS-No.	67-56-1	Boiling Point	64.5 °C
Density 1 L	0.790 Kg.		

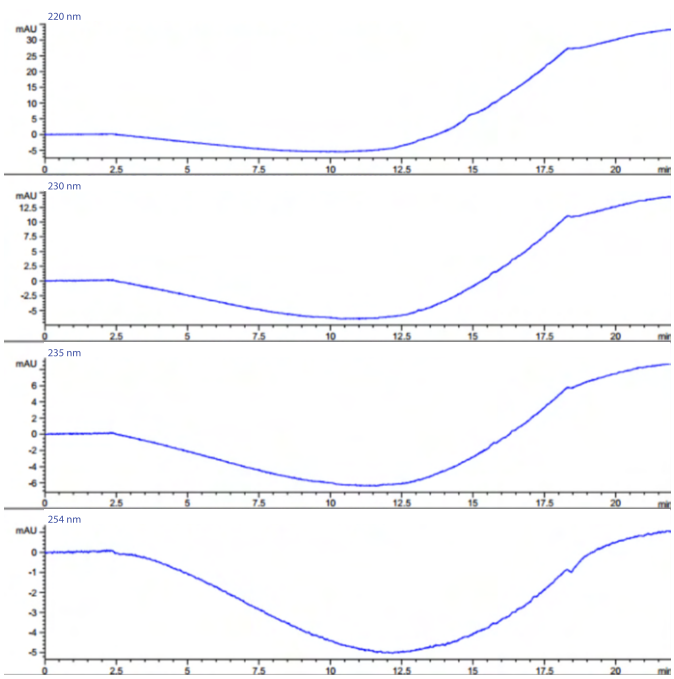
Methanol, ULC-MS — UM1115

Specifications

Assay (by GC.)	99.98%	min.
Appearance	Clear and colorless liquid	
Identity (IR)	Passes test	
Color (APHA)	5	max.
Water (by Coulometry)	0.02%	max.
Acidity (mEq./g.)	0.0002	max.
Alkalinity (mEq./g.)	0.0001	max.
Residue on Evaporation	0.0001%	max.
Acetone (GC.)	0.001%	max.
UV Transmission Levels (%T)		
250 nm	99%	min.
240 nm	98%	min.
230 nm	90%	min.
220 nm	75%	min.
210 nm	65%	min.
Gradient Specification		
at 220 nm	4.0	mAU max.
at 230 nm	2.0	mAU max.
at 235 nm	2.0	mAU max.
at 254 nm	1.0	mAU max.
Fluorescence (as quinine)		
at 254 nm	0.3	ppb max.
at 365 nm	0.3	ppb max.
Aluminium (Al)	5	ppb max.
Barium (Ba)	5	ppb max.
Bismuth (Bi)	10	ppb max.
Cadmium (Cd)	5	ppb max.
Calcium (Ca)	20	ppb max.
Chromium (Cr)	5	ppb max.
Cobalt (Co)	5	ppb max.
Copper (Cu)	5	ppb max.
Iron (Fe)	10	ppb max.
Lead (Pb)	5	ppb max.
Lithium (Li)	10	ppb max.

Magnesium (Mg)	5	ppb max.
Manganese (Mn)	5	ppb max.
Molybdenum (Mo)	10	ppb max.
Nickel (Ni)	5	ppb max.
Potassium (K)	5	ppb max.
Silver (Ag)	10	ppb max.
Sodium (Na)	20	ppb max.
Strontium (Sr)	10	ppb max.
Tin (Sn)	5	ppb max.
Zinc (Zn)	5	ppb max.
Suitable for LC-MS (ESI positive as Reserpine)	5	ppb max.
Suitable for LC-MS (ESI nagative as Reserpine)	20	ppb max.

Product passed through 0.1 micron final filter and bottled under inert gas.



Cat No.	Package	Size
UM1115-G500ML	Glass	500 ML
UM1115-G1L	Glass	1 Litre

Cat No.	Package	Size
UM1115-G2.5L	Glass	2.5 Litre
UM1115-G4L	Glass	4 Litre

Propan-2-ol

$(CH_3)_2CHOH$	FW. 60.10	Melting Point	-89.5 °C
CAS-No.	67-63-0	Boiling Point	82.4 °C
Density 1 L	0.786 Kg.		

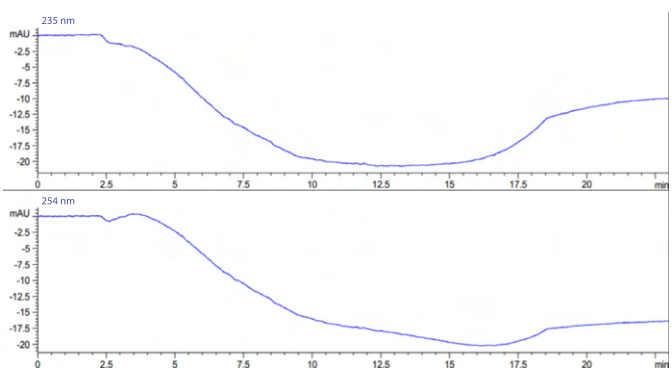
Propan-2-ol, ULC-MS — UM1162

Specifications

Assay (by GC.)	99.95%	min.
Appearance	Clear and colorless liquid	
Identity (IR)	Passes test	
Color (APHA)	5	max.
Water (by Coulometry)	0.03%	max.
Acidity (mEq./g.)	0.0002	max.
Alkalinity (mEq./g.)	0.0001	max.
Residue on Evaporation	0.0001%	max.
Carbonyl Compounds	0.002%	max.
(as propionaldehyde or acetone)		
Solubility in water	Passes test	
UV Transmission Levels (%T)		
250 nm	99%	min.
240 nm	98%	min.
230 nm	90%	min.
220 nm	80%	min.
210 nm	40%	min.
Gradient Specification		
at 235 nm	1.0	mAU max.
at 254 nm	1.0	mAU max.
Fluorescence (as quinine)		
at 254 nm	0.3	ppb max.
at 365 nm	0.3	ppb max.
Aluminium (Al)	5	ppb max.
Barium (Ba)	5	ppb max.
Bismuth (Bi)	10	ppb max.
Cadmium (Cd)	5	ppb max.
Calcium (Ca)	20	ppb max.
Chromium (Cr)	5	ppb max.
Cobalt (Co)	5	ppb max.

Copper (Cu)	5	ppb max.
Iron (Fe)	10	ppb max.
Lead (Pb)	5	ppb max.
Lithium (Li)	10	ppb max.
Magnesium (Mg)	5	ppb max.
Manganese (Mn)	5	ppb max.
Molybdenum (Mo)	10	ppb max.
Nickel (Ni)	5	ppb max.
Potassium (K)	5	ppb max.
Silver (Ag)	10	ppb max.
Sodium (Na)	20	ppb max.
Strontium (Sr)	10	ppb max.
Tin (Sn)	5	ppb max.
Zinc (Zn)	5	ppb max.
Suitable for LC-MS (ESI positive as Reserpine)	5	ppb max.
Suitable for LC-MS (ESI nagative as Reserpine)	20	ppb max.

Product passed through 0.1 micron final filter and bottled under inert gas.



Cat No.	Package	Size
UM1162-G500ML	Glass	500 ML
UM1162-G1L	Glass	1 Litre

Cat No.	Package	Size
UM1162-G2.5L	Glass	2.5 Litre
UM1162-G4L	Glass	4 Litre

Tetrahydrofuran

C_4H_8O	FW. 72.11	Melting Point	-108.5 °C
CAS-No.	109-99-9	Boiling Point	65-66 °C
Density 1 L	0.890 Kg.		

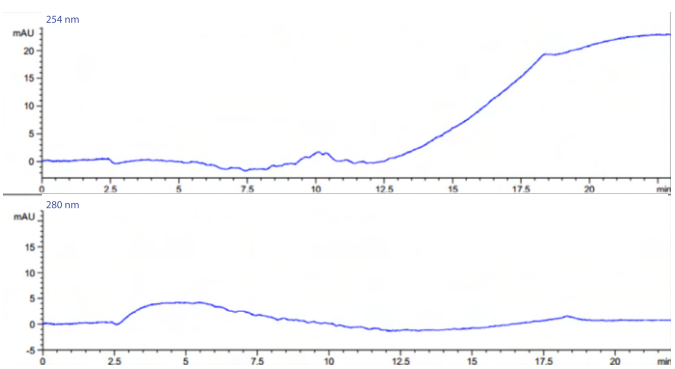
Tetrahydrofuran, ULC-MS — UM1200

Specifications

Assay (by GC.)	99.95%	min.
Appearance	Clear and colorless liquid	
Identity (IR)	Passes test	
Color (APHA)	5	max.
Water (by Coulometry)	0.02%	max.
Acidity (mEq./g.)	0.0002	max.
Alkalinity (mEq./g.)	0.0002	max.
Residue on Evaporation	0.0001%	max.
Peroxide (as H_2O_2),	0.005%	max.
(at the time of manufacturing)		
UV Transmission Levels (%T)		
280 nm	99%	min.
270 nm	88%	min.
245 nm	55%	min.
235 nm	40%	min.
215 nm	30%	min.
Gradient Specification		
at 254 nm	10	mAU max.
at 280 nm	3	mAU max.
Fluorescence (s quinine)		
at 254 nm	1.0	ppb max.
at 365 nm	1.0	ppb max.
Aluminium (Al)	10	ppb max.
Barium (Ba)	10	ppb max.
Bismuth (Bi)	20	ppb max.
Cadmium (Cd)	20	ppb max.
Calcium (Ca)	30	ppb max.
Chromium (Cr)	10	ppb max.

Cobalt (Co)	10	ppb max.
Copper (Cu)	10	ppb max.
Iron (Fe)	20	ppb max.
Lead (Pb)	20	ppb max.
Lithium (Li)	20	ppb max.
Magnesium (Mg)	30	ppb max.
Manganese (Mn)	10	ppb max.
Molybdenum (Mo)	20	ppb max.
Nickel (Ni)	10	ppb max.
Potassium (K)	30	ppb max.
Silver (Ag)	20	ppb max.
Sodium (Na)	50	ppb max.
Strontium (Sr)	20	ppb max.
Tin (Sn)	20	ppb max.
Zinc (Zn)	20	ppb max.
Suitable for LC-MS (ESI positive as Reserpine)	20	ppb max.

Product passed through 0.1 micron final filter and bottled under inert gas.



Cat No.	Package	Size
UM1200-G500ML	Glass	500 ML
UM1200-G1L	Glass	1 Litre

Cat No.	Package	Size
UM1200-G2.5L	Glass	2.5 Litre
UM1200-G4L	Glass	4 Litre

Water

H_2O	FW. 18.02	Melting Point	0 °C
CAS-No.	7732-18-5	Boiling Point	100 °C
Density 1 L	1.000 Kg.		

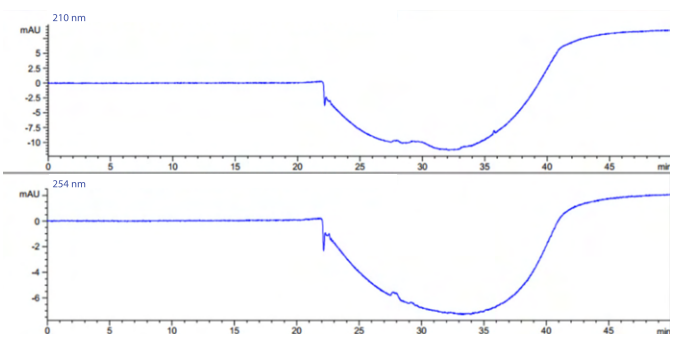
Water, ULC-MS — UM1210

Specifications

Appearance	Clear and colorless liquid	
Color (APHA)	5	max.
Resistivity (at the time of	18	min.
manufacturing), MohmXcm		
Acidity (as Acetic acid)	0.0002%	max.
Alkalinity (as Ammonia),	0.0002%	max.
(at the time of manufacturing)		
Residue on Evaporation	0.0001%	max.
Chloride (Cl)	10	ppb max.
Fluoride (F)	10	ppb max.
Nitrate (NO_3)	10	ppb max.
Phosphate (PO_4)	10	ppb max.
Sulfate (SO_4)	10	ppb max.
UV Transmission Levels (%T)		
230 nm	99%	min.
200 nm	95%	min.
Gradient Specification		
at 210 nm	2.0	mAU max.
at 254 nm	0.5	mAU max.
Fluorescence (as quinine)		
at 254 nm	0.3	ppb max.
at 365 nm	0.3	ppb max.
Aluminium (Al)	5	ppb max.
Barium (Ba)	5	ppb max.
Bismuth (Bi)	10	ppb max.
Cadmium (Cd)	5	ppb max.
Calcium (Ca)	10	ppb max.
Chromium (Cr)	5	ppb max.
Cobalt (Co)	5	ppb max.

Copper (Cu)	5	ppb max.
Iron (Fe)	10	ppb max.
Lead (Pb)	5	ppb max.
Lithium (Li)	10	ppb max.
Magnesium (Mg)	5	ppb max.
Manganese (Mn)	5	ppb max.
Molybdenum (Mo)	10	ppb max.
Nickel (Ni)	5	ppb max.
Potassium (K)	5	ppb max.
Silver (Ag)	10	ppb max.
Sodium (Na)	20	ppb max.
Strontium (Sr)	10	ppb max.
Tin (Sn)	5	ppb max.
Zinc (Zn)	5	ppb max.
TOC	10	ppb max.
Suitable for LC-MS (ESI positive as Reserpine)	5	ppb max.
Suitable for LC-MS (ESI nagative as Reserpine)	20	ppb max.

Product passed through 0.1 micron final filter.



Cat No.	Package	Size
UM1210-G500ML	Glass	500 ML
UM1210-G1L	Glass	1 Litre

Cat No.	Package	Size
UM1210-G2.5L	Glass	2.5 Litre
UM1210-G4L	Glass	4 Litre

Acetic Acid

CH_3COOH	FW. 60.05	Melting Point	17 °C
CAS-No.	64-19-7	Boiling Point	118 °C
Density 1 L	1.05 Kg.		

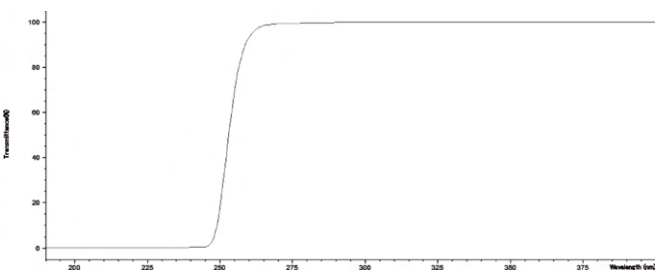
Acetic Acid, Glacial LC-MS — LM1002

Specifications

Assay (by acidimetry)	99.97%	min.
Appearance	Clear and colorless liquid	
Water (by Coulometry)	0.2%	max.
Color (APHA)	5	max.
Residue on Evaporation	0.0005%	max.
Chloride (Cl)	0.2	ppm max.
Sulfate (SO_4)	0.5	ppm max.
Substances reducing dichromate	Passes test	
Substances reducing permanganate	Passes test	
UV Transmission Levels (%T)		
300 nm	98%	min.
280 nm	97%	min.
275 nm	95%	min.
265 nm	90%	min.
260 nm	80%	min.
254 nm	30%	min.
Aluminium (Al)	20	ppb max.
Calcium (Ca)	50	ppb max.
Cobalt (Co)	10	ppb max.

Iron (Fe)	20	ppb max.
Lead (Pb)	10	ppb max.
Magnesium (Mg)	50	ppb max.
Potassium (K)	50	ppb max.
Sodium (Na)	50	ppb max.
Suitable for LC-MS	2	ppb max.
(ESI positive as Reserpine)		ppb max.

Product passed through 0.2 micron final filter.



Cat No.	Package	Size
LM1002-G500ML	Glass	500 ML
LM1002-G1L	Glass	1 Litre

Cat No.	Package	Size
LM1002-G2.5L	Glass	2.5 Litre
LM1002-G4L	Glass	4 Litre

Acetonitrile

CH_3CN	FW. 41.05	Melting Point	-45.7 °C
CAS-No.	75-05-8	Boiling Point	81.6 °C
Density 1 L	0.786 Kg.		

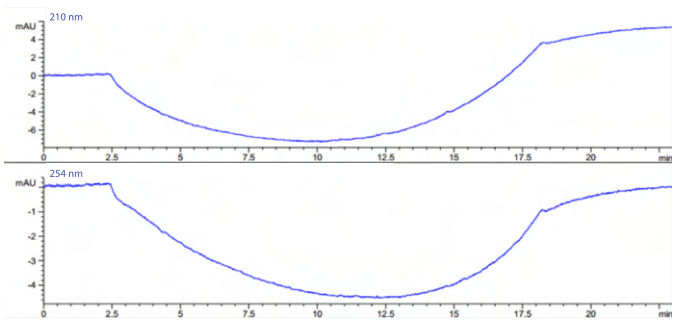
Acetonitrile, LC-MS — LM1005

Specifications

Assay (by GC.)	99.95%	min.
Appearance	Clear and colorless liquid	
Identity (IR)	Passes test	
Color (APHA)	5	max.
Water (by Coulometry)	0.01%	max.
Acidity (mEq./g.)	0.0002	max.
Alkalinity (mEq./g.)	0.0001	max.
Residue on Evaporation	0.0001%	max.
UV Transmission Levels (%T)		
230 nm	99%	min.
215 nm	98%	min.
200 nm	97%	min.
195 nm	85%	min.
190 nm	30%	min.
Gradient Specification		
at 210 nm	1.0	mAU max.
at 254 nm	0.5	mAU max.
Fluorescence (as quinine)		
at 254 nm	0.5	ppb max.
at 365 nm	0.3	ppb max.
Aluminium (Al)	5	ppb max.
Barium (Ba)	5	ppb max.
Cadmium (Cd)	5	ppb max.
Calcium (Ca)	20	ppb max.
Chromium (Cr)	5	ppb max.

Cobalt (Co)	5	ppb max.
Copper (Cu)	5	ppb max.
Iron (Fe)	10	ppb max.
Lead (Pb)	5	ppb max.
Magnesium (Mg)	5	ppb max.
Manganese (Mn)	5	ppb max.
Nickel (Ni)	5	ppb max.
Potassium (K)	5	ppb max.
Sodium (Na)	20	ppb max.
Tin (Sn)	5	ppb max.
Zinc (Zn)	5	ppb max.
Suitable for LC-MS (ESI positive as Reserpine)	10	ppb max.

Product passed through 0.1 micron final filter and bottled under inert gas.



Cat No.	Package	Size
LM1005-G500ML	Glass	500 ML
LM1005-G1L	Glass	1 Litre

Cat No.	Package	Size
LM1005-G2.5L	Glass	2.5 Litre
LM1005-G4L	Glass	4 Litre

Methanol

CH_3OH	FW. 32.04	Melting Point	-98 °C
CAS-No.	67-56-1	Boiling Point	64.5 °C
Density 1 L	0.790 Kg.		

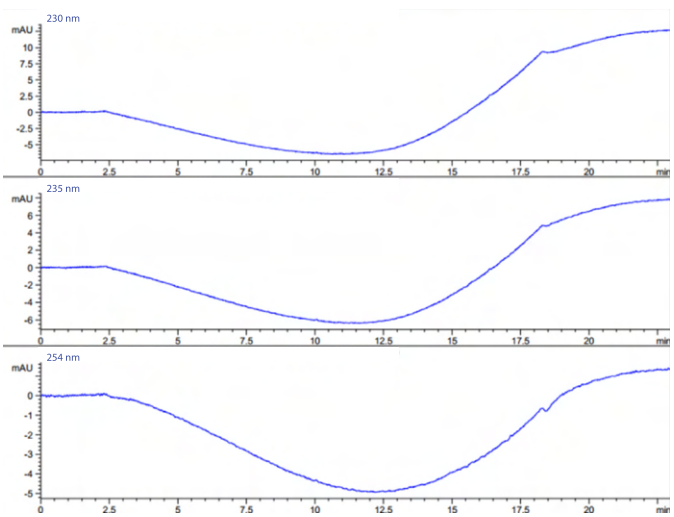
Methanol, LC-MS — LM1115

Specifications

Assay (by GC.)	99.95%	min.
Appearance	Clear and colorless liquid	
Identity (IR)	Passes test	
Color (APHA)	5	max.
Water (by Coulometry)	0.02%	max.
Acidity (mEq./g.)	0.0003	max.
Alkalinity (mEq./g.)	0.0002	max.
Residue on Evaporation	0.0001%	max.
Acetone (GC.)	0.001%	max.
UV Transmission Levels (%T)		
250 nm	99%	min.
240 nm	98%	min.
230 nm	90%	min.
220 nm	75%	min.
210 nm	65%	min.
Gradient Specification		
at 230 nm	2.0	mAU max.
at 235 nm	2.0	mAU max.
at 254 nm	1.0	mAU max.
Fluorescence (s quinine)		
at 254 nm	0.5	ppb max.
at 365 nm	0.5	ppb max.
Aluminium (Al)	5	ppb max.
Barium (Ba)	5	ppb max.
Cadmium (Cd)	5	ppb max.
Calcium (Ca)	20	ppb max.
Chromium (Cr)	5	ppb max.
Cobalt (Co)	5	ppb max.
Copper (Cu)	5	ppb max.

Iron (Fe)	10	ppb max.
Lead (Pb)	5	ppb max.
Magnesium (Mg)	5	ppb max.
Manganese (Mn)	5	ppb max.
Nickel (Ni)	5	ppb max.
Potassium (K)	5	ppb max.
Sodium (Na)	20	ppb max.
Tin (Sn)	5	ppb max.
Zinc (Zn)	5	ppb max.
Suitable for LC-MS (ESI positive as Reserpine)	10	ppb max.

Product passed through 0.1 micron final filter and bottled under inert gas.



Cat No.	Package	Size
LM1115-G500ML	Glass	500 ML
LM1115-G1L	Glass	1 Litre

Cat No.	Package	Size
LM1115-G2.5L	Glass	2.5 Litre
LM1115-G4L	Glass	4 Litre

Propan-2-ol

$(CH_3)_2CHOH$	FW. 60.10	Melting Point	-89.5 °C
CAS-No.	67-63-0	Boiling Point	82.4 °C
Density 1 L	0.786 Kg.		

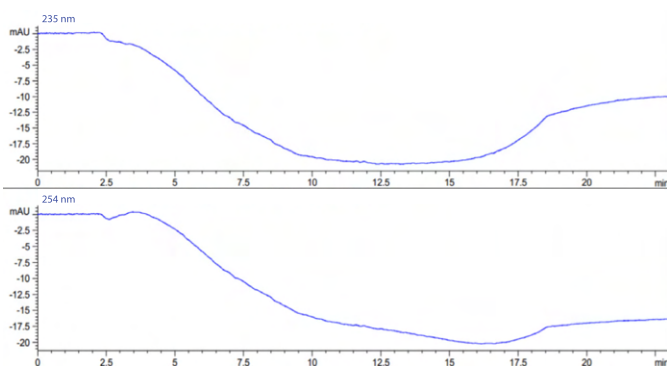
Propan-2-ol, LC-MS — LM1162

Specifications

Assay (by GC.)	99.95%	min.
Appearance	Clear and colorless liquid	
Identity (IR)	Passes test	
Color (APHA)	5	max.
Water (by Coulometry)	0.03%	max.
Acidity (mEq./g.)	0.0002	max.
Alkalinity (mEq./g.)	0.0002	max.
Residue on Evaporation	0.0002%	max.
Carbonyl Compounds	0.002%	max.
(as propionaldehyde or acetone)		
Solubility in water	Passes test	
UV Transmission Levels (%T)		
250 nm	99%	min.
240 nm	98%	min.
230 nm	90%	min.
220 nm	80%	min.
210 nm	40%	min.
Gradient Specification		
at 235 nm	1.0	mAU max.
at 254 nm	1.0	mAU max.
Fluorescence (as quinine)		
at 254 nm	1.0	ppb max.
at 365 nm	0.5	ppb max.
Aluminium (Al)	5	ppb max.
Barium (Ba)	5	ppb max.
Cadmium (Cd)	5	ppb max.
Calcium (Ca)	20	ppb max.

Chromium (Cr)	5	ppb max.
Cobalt (Co)	5	ppb max.
Copper (Cu)	5	ppb max.
Iron (Fe)	10	ppb max.
Lead (Pb)	5	ppb max.
Magnesium (Mg)	5	ppb max.
Manganese (Mn)	5	ppb max.
Nickel (Ni)	5	ppb max.
Potassium (K)	5	ppb max.
Sodium (Na)	20	ppb max.
Tin (Sn)	5	ppb max.
Zinc (Zn)	5	ppb max.
Suitable for LC-MS (ESI positive as Reserpine)	20	ppb max.

Product passed through 0.1 micron final filter and bottled under inert gas.



Cat No.	Package	Size
LM1162-G500ML	Glass	500 ML
LM1162-G1L	Glass	1 Litre

Cat No.	Package	Size
LM1162-G2.5L	Glass	2.5 Litre
LM1162-G4L	Glass	4 Litre

Tetrahydrofuran

C_4H_8O	FW. 72.11	Melting Point	-108.5 °C
CAS-No.	109-99-9	Boiling Point	65-66 °C
Density 1 L	0.890 Kg.		

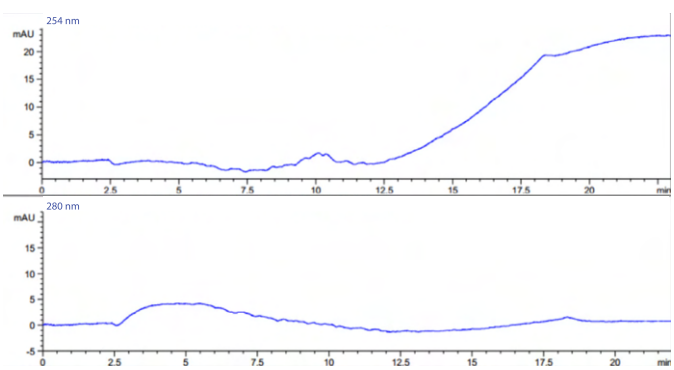
Tetrahydrofuran, LC-MS — LM1200

Specifications

Assay (by GC.)	99.95%	min.
Appearance	Clear and colorless liquid	
Identity (IR)	Passes test	
Color (APHA)	5	max.
Water (by Coulometry)	0.02%	max.
Acidity (mEq./g.)	0.0002	max.
Alkalinity (mEq./g.)	0.0002	max.
Residue on Evaporation	0.0001%	max.
Peroxide (as H_2O_2),	0.005%	max.
(at the time of manufacturing)		
UV Transmission Levels (%T)		
280 nm	99%	min.
270 nm	88%	min.
245 nm	55%	min.
230 nm	35%	min.
Gradient Specification		
at 254 nm	15	mAU max.
at 280 nm	3	mAU max.
Fluorescence (s quinine)		
at 254 nm	1.0	ppb max.
at 365 nm	1.0	ppb max.
Aluminium (Al)	20	ppb max.
Barium (Ba)	50	ppb max.
Bismuth (Bi)	50	ppb max.
Cadmium (Cd)	50	ppb max.
Calcium (Ca)	30	ppb max.
Chromium (Cr)	20	ppb max.
Cobalt (Co)	20	ppb max.

Copper (Cu)	10	ppb max.
Iron (Fe)	20	ppb max.
Lead (Pb)	20	ppb max.
Lithium (Li)	50	ppb max.
Magnesium (Mg)	30	ppb max.
Manganese (Mn)	20	ppb max.
Molybdenum (Mo)	50	ppb max.
Nickel (Ni)	20	ppb max.
Potassium (K)	50	ppb max.
Silver (Ag)	50	ppb max.
Sodium (Na)	50	ppb max.
Strontium (Sr)	50	ppb max.
Tin (Sn)	50	ppb max.
Zinc (Zn)	50	ppb max.
Suitable for LC-MS (ESI positive as Reserpine)	50	ppb max.

Product passed through 0.1 micron final filter and bottled under inert gas.



Cat No.	Package	Size
LM1200-G500ML	Glass	500 ML
LM1200-G1L	Glass	1 Litre

Cat No.	Package	Size
LM1200-G2.5L	Glass	2.5 Litre
LM1200-G4L	Glass	4 Litre

Water

H_2O	FW. 18.02	Melting Point	0 °C
CAS-No.	7732-18-5	Boiling Point	100 °C
Density 1 L	1.000 Kg.		

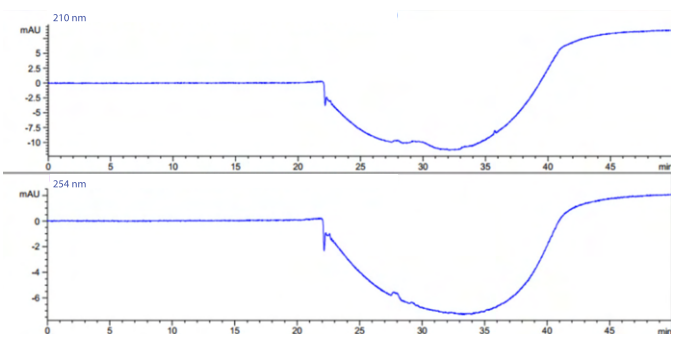
Water, LC-MS — LM1210

Specifications

Appearance	Clear and colorless liquid	
Color (APHA)	5	max.
Acidity (as Acetic acid)	0.0002%	max.
Alkalinity (as Ammonia)	0.0002%	max.
Residue on Evaporation	0.0001%	max.
Chloride (Cl)	10	ppb max.
Fluoride (F)	10	ppb max.
Nitrate (NO_3)	100	ppb max.
Sulfate (SO_4)	100	ppb max.
UV Transmission Levels (%T)		
230 nm	99%	min.
200 nm	95%	min.
Gradient Specification		
at 210 nm	2.0	mAU max.
at 254 nm	1.0	mAU max.
Fluorescence (as quinine)		
at 254 nm	1.0	ppb max.
at 365 nm	0.5	ppb max.
Aluminium (Al)	5	ppb max.
Barium (Ba)	5	ppb max.
Cadmium (Cd)	5	ppb max.
Calcium (Ca)	10	ppb max.
Chromium (Cr)	5	ppb max.

Cobalt (Co)	5	ppb max.
Copper (Cu)	5	ppb max.
Iron (Fe)	10	ppb max.
Lead (Pb)	5	ppb max.
Magnesium (Mg)	5	ppb max.
Manganese (Mn)	5	ppb max.
Nickel (Ni)	5	ppb max.
Potassium (K)	5	ppb max.
Sodium (Na)	20	ppb max.
Tin (Sn)	5	ppb max.
Zinc (Zn)	5	ppb max.
Suitable for LC-MS (ESI positive as Reserpine)	10	ppb max.

Product passed through 0.1 micron final filter.



Cat No.	Package	Size
LM1210-G500ML	Glass	500 ML
LM1210-G1L	Glass	1 Litre

Cat No.	Package	Size
LM1210-G2.5L	Glass	2.5 Litre
LM1210-G4L	Glass	4 Litre

Acetonitrile

CH_3CN	FW. 41.05	Melting Point	-45.7 °C
CAS-No.	75-05-8	Boiling Point	81.6 °C
Density 1 L	0.786 Kg.		

Acetonitrile, Super Gradient for HPLC — SG1005

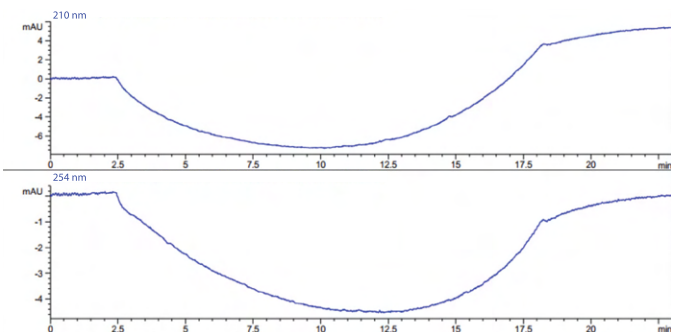
Specifications
(Conforms to Reag. Ph.Eur)

Assay (by GC.)	99.9%	min.
Appearance	Clear and colorless liquid	
Identity (IR)	Passes test	
Color (APHA)	10	max.
Water (by Coulometry)	0.02%	max.
Acidity (mEq./g.)	0.0002	max.
Alkalinity (mEq./g.)	0.0002	max.
Residue on Evaporation	0.0002%	max.
UV Transmission Levels (%T)		
230 nm	99%	min.
195 nm	80%	min.
190 nm	30%	min.
Gradient Specification		
at 210 nm	1.0	mAU max.
at 254 nm	0.5	mAU max.

Fluorescence (as quinine)		
at 254 nm	0.5	ppb max.
at 365 nm	0.5	ppb max.

Suitable for HPLC, UPLC / UHPLC / Ultra HPLC - instruments.

Product passed through 0.2 micron final filter.



Cat No.	Package	Size
SG1005-G500ML	Glass	500 ML
SG1005-G1L	Glass	1 Litre

Cat No.	Package	Size
SG1005-G2.5L	Glass	2.5 Litre
SG1005-G4L	Glass	4 Litre

Acetonitrile, Ultra Gradient for HPLC — SG1006

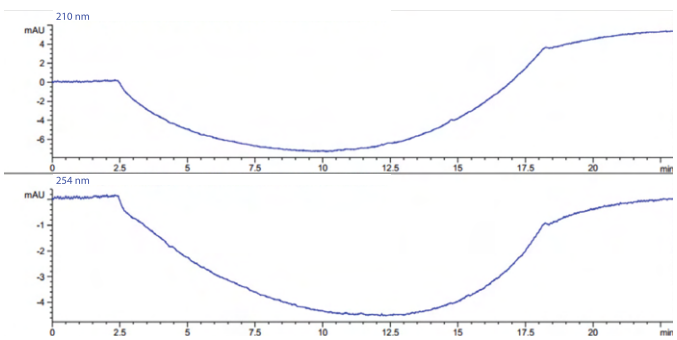
Specifications

Assay (by GC.)	99.95%	min.
Appearance	Clear and colorless liquid	
Identity (IR)	Passes test	
Color (APHA)	10	max.
Water (by Coulometry)	0.01%	max.
Acidity (as CH_3COOH)	0.001%	max.
Alkalinity (as NH_3)	0.0001%	max.
Residue on Evaporation	0.0001%	max.
UV Transmission Levels (%T)		
230 nm	99%	min.
215 nm	98%	min.
200 nm	97%	min.
195 nm	85%	min.
191 nm	30%	min.
Gradient Specification : Highest Peak		
at 210 nm	1.0	mAU max.
at 254 nm	0.5	mAU max.
Fluorescence (as quinine)		
at 254 nm	0.5	ppb max.
at 365 nm	0.3	ppb max.
Aluminium (Al)	20	ppb max.
Barium (Ba)	50	ppb max.
Cadmium (Cd)	50	ppb max.
Calcium (Ca)	50	ppb max.
Chromium (Cr)	20	ppb max.

Cobalt (Co)	50	ppb max.
Copper (Cu)	20	ppb max.
Iron (Fe)	20	ppb max.
Lead (Pb)	20	ppb max.
Magnesium (Mg)	20	ppb max.
Manganese (Mn)	20	ppb max.
Nickel (Ni)	20	ppb max.
Potassium (K)	50	ppb max.
Sodium (Na)	100	ppb max.
Tin (Sn)	50	ppb max.
Zinc (Zn)	50	ppb max.

Suitable for HPLC, UPLC / UHPLC / Ultra HPLC - instruments.

Product passed through 0.1 micron final filter and bottled under inert gas.



Cat No.	Package	Size
SG1006-G500ML	Glass	500 ML
SG1006-G1L	Glass	1 Litre

Cat No.	Package	Size
SG1006-G2.5L	Glass	2.5 Litre
SG1006-G4L	Glass	4 Litre

Ethanol

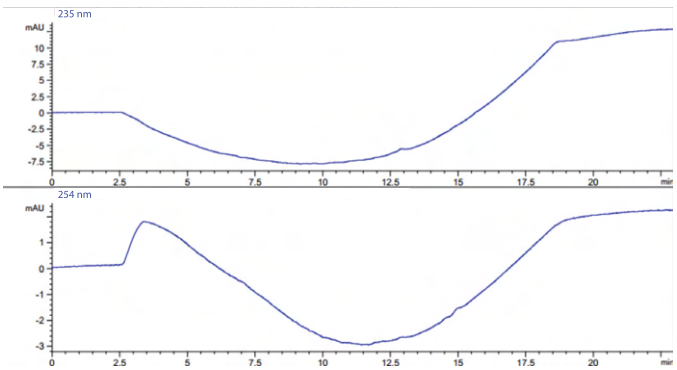
C_2H_5OH	FW. 46.07	Melting Point	-114.5 °C
CAS-No.	64-17-5	Boiling Point	78.3 °C
Density 1 L	0.790 Kg.		

Ethanol, Super Gradient for HPLC — SG1380

Specifications

Assay (by GC.)	99.7%	min.
Appearance	Clear and colorless liquid	
Identity (IR)	Passes test	
Color (APHA)	10	max.
Water (by Coulometry)	0.1%	max.
Acidity (mEq./g.)	0.0002	max.
Alkalinity (mEq./g.)	0.0002	max.
Residue on Evaporation	0.0002%	max.
UV Transmission Levels (%T)		
260 nm	98%	min.
240 nm	85%	min.
225 nm	60%	min.
Gradient Specification		
at 235 nm	5.0	mAU max.
at 254 nm	2.0	mAU max.
Fluorescence (as quinine)		
at 254 nm	1.0	ppb max.
at 365 nm	0.5	ppb max.

Denatured with Tert Butyl Alcohol less than 0.15% (v/v).
Suitable for HPLC, UPLC / UHPLC / Ultra HPLC - instruments.
Product passed through 0.2 micron final filter.



Cat No.	Package	Size
SG1380-G500ML	Glass	500 ML
SG1380-G1L	Glass	1 Litre

Cat No.	Package	Size
SG1380-G2.5L	Glass	2.5 Litre
SG1380-G4L	Glass	4 Litre

Methanol

CH_3OH	FW. 32.04	Melting Point	-98 °C
CAS-No.	67-56-1	Boiling Point	64.5 °C
Density 1 L	0.790 Kg.		

Methanol, Super Gradient for HPLC — SG1115

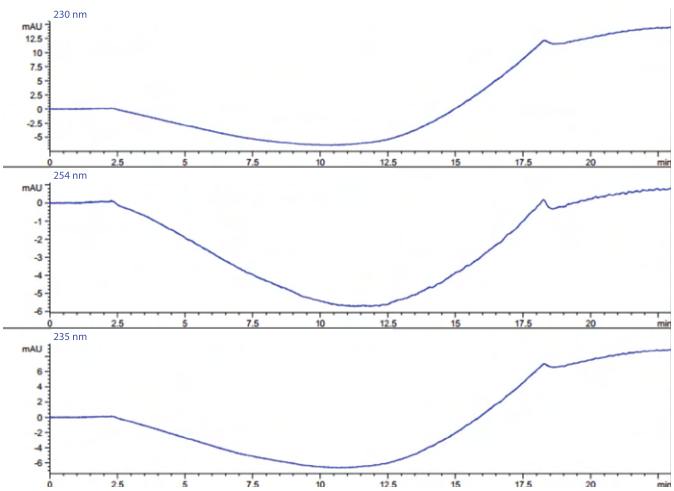
Specifications
(Conforms to Reag. Ph.Eur)

Assay (by GC.)	99.9%	min.
Appearance	Clear and colorless liquid	
Identity (IR)	Passes test	
Color (APHA)	10	max.
Water (by Coulometry)	0.02%	max.
Acidity (mEq./g.)	0.0003	max.
Alkalinity (mEq./g.)	0.0002	max.
Residue on Evaporation	0.0002%	max.
Acetone (GC.)	0.001%	max.
UV Transmission Levels (%T)		
250 nm	99%	min.
240 nm	98%	min.
230 nm	90%	min.
220 nm	75%	min.
210 nm	65%	min.
Gradient Specification		
at 230 nm	2.0	mAU max.
at 235 nm	2.0	mAU max.
at 254 nm	1.0	mAU max.

Fluorescence (as quinine)		
at 254 nm	1.0	ppb max.
at 365 nm	0.5	ppb max.

Suitable for HPLC, UPLC / UHPLC / Ultra HPLC - instruments.

Product passed through 0.2 micron final filter.



Cat No.	Package	Size
SG1115-G500ML	Glass	500 ML
SG1115-G1L	Glass	1 Litre

Cat No.	Package	Size
SG1115-G2.5L	Glass	2.5 Litre
SG1115-G4L	Glass	4 Litre

Methanol, Ultra Gradient for HPLC — SG1473

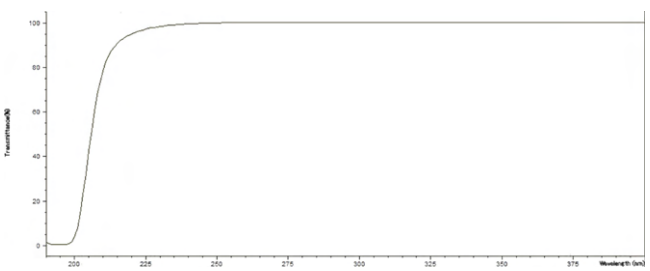
Specifications

Assay (by GC.)	99.95%	min.
Appearance	Clear and colorless liquid	
Identity (IR)	Passes test	
Color (APHA)	10	max.
Water (by Coulometry)	0.02%	max.
Acidity (mEq./g.)	0.0003	max.
Alkalinity (mEq./g.)	0.0002	max.
Residue on Evaporation	0.0001%	max.
Acetone (GC.)	0.001%	max.
UV Transmission Levels (%T)		
250 nm	99%	min.
240 nm	98%	min.
230 nm	90%	min.
220 nm	75%	min.
210 nm	65%	min.
Gradient Specification		
at 230 nm	2.0	mAU max.
at 235 nm	2.0	mAU max.
at 254 nm	1.0	mAU max.
Fluorescence (as quinine)		
at 254 nm	0.5	ppb max.
at 365 nm	0.5	ppb max.
Aluminium (Al)	20	ppb max.
Barium (Ba)	50	ppb max.

Cadmium (Cd)	50	ppb max.
Calcium (Ca)	50	ppb max.
Chromium (Cr)	20	ppb max.
Cobalt (Co)	50	ppb max.
Copper (Cu)	20	ppb max.
Iron (Fe)	20	ppb max.
Lead (Pb)	20	ppb max.
Magnesium (Mg)	20	ppb max.
Manganese (Mn)	20	ppb max.
Nickel (Ni)	20	ppb max.
Potassium (K)	50	ppb max.
Sodium (Na)	100	ppb max.
Tin (Sn)	50	ppb max.
Zinc (Zn)	50	ppb max.

Suitable for HPLC, UPLC / UHPLC / Ultra HPLC - instruments.

Product passed through 0.1 micron final filter and bottled under inert gas.



Cat No.	Package	Size
SG1473-G500ML	Glass	500 ML
SG1473-G1L	Glass	1 Litre

Cat No.	Package	Size
SG1473-G2.5L	Glass	2.5 Litre
SG1473-G4L	Glass	4 Litre

Propan-2-ol

$(CH_3)_2CHOH$	FW. 60.10	Melting Point	-89.5 °C
CAS-No.	67-63-0	Boiling Point	82.4 °C
Density 1 L	0.786 Kg.		

Propan-2-ol, Super Gradient for HPLC — SG1162

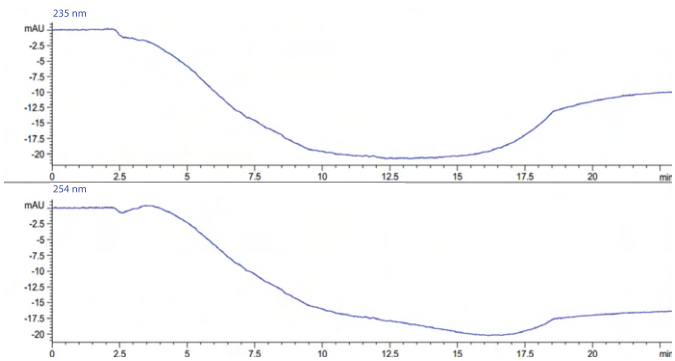
Specifications

Assay (by GC.)	99.9%	min.
Appearance	Clear and colorless liquid	
Identity (IR)	Passes test	
Color (APHA)	10	max.
Water (by Coulometry)	0.03%	max.
Acidity (mEq./g.)	0.0002	max.
Alkalinity (mEq./g.)	0.0002	max.
Residue on Evaporation	0.0002%	max.
UV Transmission Levels (%T)		
250 nm	99%	min.
230 nm	90%	min.
220 nm	80%	min.
Gradient Specification		
at 235 nm	1.0	mAU max.
at 254 nm	1.0	mAU max.

Fluorescence (as quinine)		
at 254 nm	1.0	ppb max.
at 365 nm	0.5	ppb max.

Suitable for HPLC, UPLC / UHPLC / Ultra HPLC - instruments.

Product passed through 0.2 micron final filter.



Cat No.	Package	Size
SG1162-G500ML	Glass	500 ML
SG1162-G1L	Glass	1 Litre

Cat No.	Package	Size
SG1162-G2.5L	Glass	2.5 Litre
SG1162-G4L	Glass	4 Litre

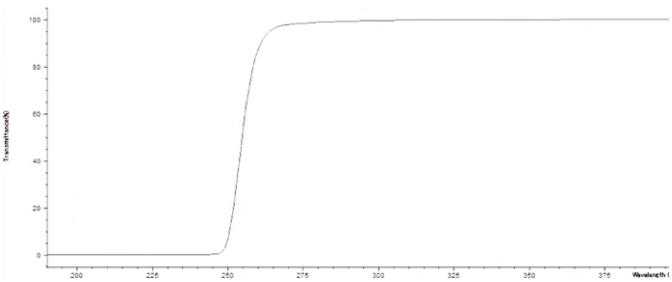
Acetic Acid Glacial

CH_3COOH	FW. 60.05	Melting Point	17 °C
CAS-No.	64-19-7	Boiling Point	118 °C
Density 1 L	1.05 Kg.		

Acetic Acid, Glacial HPLC — LC1002

Specifications

Assay (by acidimetry)	99.8%	min.
Water (by Coulometry)	0.2%	max.
Color (APHA)	10	max.
Residue on Evaporation	0.0005%	max.
Chloride (Cl)	0.5	ppm max.
Sulfate (SO_4)	0.5	ppm max.
UV Transmission Levels (%T)		
300 nm	98%	min.
280 nm	97%	min.
260 nm	80%	min.



Product passed through 0.2 micron final filter.

Cat No.	Package	Size
LC1002-G500ML	Glass	500 ML
LC1002-G1L	Glass	1 Litre

Cat No.	Package	Size
LC1002-G2.5L	Glass	2.5 Litre
LC1002-G4L	Glass	4 Litre

Acetone

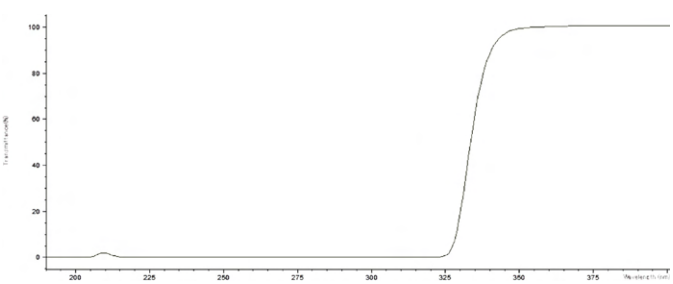
CH_3COCH_3	FW. 58.08	Melting Point	-95.4 °C
CAS-No.	67-64-1	Boiling Point	56.2 °C
Density 1 L	0.790 Kg.		

Acetone, HPLC — LC1003

Specifications

Assay (by GC.)	99.8%	min.
Appearance	Clear and colorless liquid	
Identity (IR)	Passes test	
Color (APHA)	10	max.
Water (by Coulometry)	0.2%	max.
Acidity (mEq./g.)	0.0002	max.
Alkalinity (mEq./g.)	0.0002	max.
Residue on Evaporation	0.0002%	max.
Aldehyde (as HCHO)	0.002%	max.
Methanol (GC.)	0.05%	max.
Propan-2-ol (GC.)	0.05%	max.
Solubility in water	Passes test	
Substances reducing permanganate	Passes test	
UV Transmission Levels (%T)		
355 nm	99%	min.
350 nm	98%	min.
340 nm	85%	min.
335 nm	50%	min.
Fluorescence (as quinine)		
at 365 nm	1	ppb max.

Product passed through 0.2 micron final filter.



Cat No.	Package	Size
LC1003-G500ML	Glass	500 ML
LC1003-G1L	Glass	1 Litre

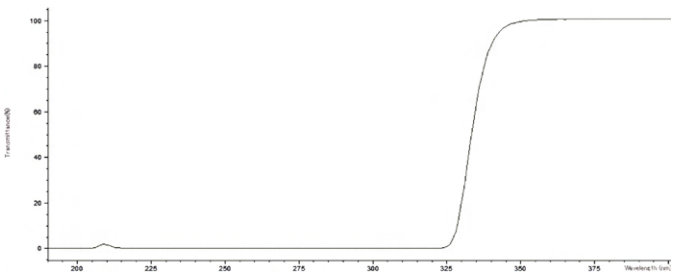
Cat No.	Package	Size
LC1003-G2.5L	Glass	2.5 Litre
LC1003-G4L	Glass	4 Litre

Acetone, HPLC Plus — LC1004

Specifications

Assay (by GC.)	99.8%	min.
Appearance	Clear and colorless liquid	
Identity (IR)	Passes test	
Color (APHA)	10	max.
Water (by Coulometry)	0.2%	max.
Acidity (mEq./g.)	0.0002	max.
Alkalinity (mEq./g.)	0.0002	max.
Residue on Evaporation	0.0002%	max.
Aldehyde (as HCHO)	0.002%	max.
Methanol (GC.)	0.05%	max.
Propan-2-ol (GC.)	0.05%	max.
Solubility in water	Passes test	
Substances reducing permanganate	Passes test	
UV Transmission Levels (%T)		
355 nm	99%	min.
350 nm	98%	min.
340 nm	85%	min.
335 nm	50%	min.
Fluorescence (as quinine)		
at 365 nm	1	ppb max.
Silicone oil	Free	
DOP	Free	
Amide	Free	

Product passed through 0.2 micron final filter.



Cat No.	Package	Size
LC1004-G500ML	Glass	500 ML
LC1004-G1L	Glass	1 Litre

Cat No.	Package	Size
LC1004-G2.5L	Glass	2.5 Litre
LC1004-G4L	Glass	4 Litre

Acetonitrile

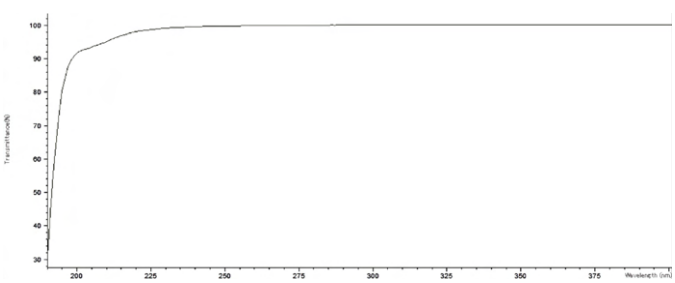
CH_3CN	FW. 41.05	Melting Point	-45.7	°C
CAS-No.	75-05-8	Boiling Point	81.6	°C
Density 1 L	0.786 Kg.			

Acetonitrile, HPLC — LC1005

Specifications

Assay (by GC.)	99.9%	min.
Appearance	Clear and colorless liquid	
Identity (IR)	Passes test	
Color (APHA)	10	max.
Water (by Coulometry)	0.02%	max.
Acidity (mEq./g.)	0.0005	max.
Alkalinity (mEq./g.)	0.0002	max.
Residue on Evaporation	0.0002%	max.
UV Transmission Levels (%T)		
250 nm	99%	min.
240 nm	98%	min.
230 nm	97%	min.
210 nm	93%	min.
195 nm	70%	min.
Fluorescence (as quinine)		
at 254 nm	0.5	ppb max.
at 365 nm	0.5	ppb max.

Product passed through 0.2 micron final filter.



Cat No.	Package	Size
LC1005-G500ML	Glass	500 ML
LC1005-G1L	Glass	1 Litre

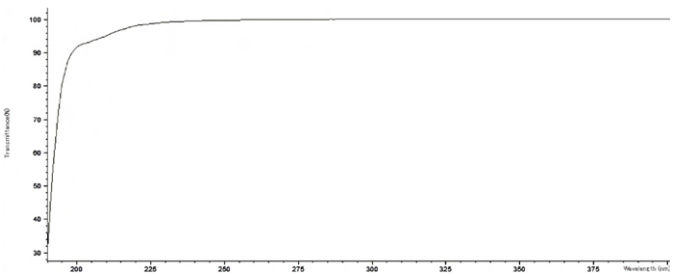
Cat No.	Package	Size
LC1005-G2.5L	Glass	2.5 Litre
LC1005-G4L	Glass	4 Litre

Acetonitrile, HPLC Plus — LC1219

Specifications

Assay (by GC.)	99.9%	min.
Appearance	Clear and colorless liquid	
Identity (IR)	Passes test	
Color (APHA)	10	max.
Water (by Coulometry)	0.02%	max.
Acidity (mEq./g.)	0.0005	max.
Alkalinity (mEq./g.)	0.0002	max.
Residue on Evaporation	0.0002%	max.
UV Transmission Levels (%T)		
250 nm	99%	min.
240 nm	98%	min.
230 nm	97%	min.
210 nm	93%	min.
195 nm	70%	min.
Fluorescence (as quinine)		
at 254 nm	0.5	ppb max.
at 365 nm	0.5	ppb max.
Silicone oil	Free	
DOP	Free	
Amide	Free	

Product passed through 0.2 micron final filter.



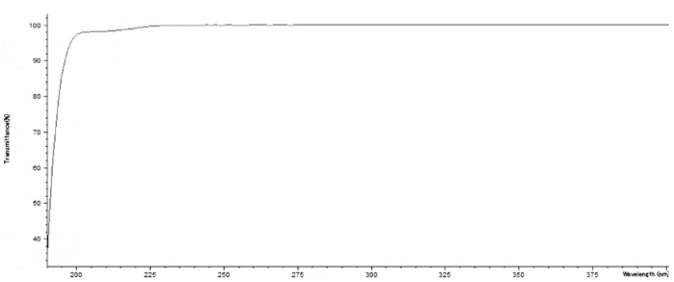
Cat No.	Package	Size
LC1219-G500ML	Glass	500 ML
LC1219-G1L	Glass	1 Litre
LC1219-G2.5L	Glass	2.5 Litre
LC1219-G4L	Glass	4 Litre

Acetonitrile, Far UV for HPLC — LC1007

Specifications

Assay (by GC.)	99.9%	min.
Appearance	Clear and colorless liquid	
Identity (IR)	Passes test	
Color (APHA)	10	max.
Water (by Coulometry)	0.02%	max.
Acidity (mEq./g.)	0.0005	max.
Alkalinity (mEq./g.)	0.0002	max.
Residue on Evaporation	0.0002%	max.
UV Transmission Levels (%T)		
230 nm	99%	min.
220 nm	98%	min.
210 nm	95%	min.
200 nm	80%	min.
190 nm	30%	min.
Fluorescence (as quinine)		
at 254 nm	0.5	ppb max.
at 365 nm	0.5	ppb max.

Product passed through 0.2 micron final filter.

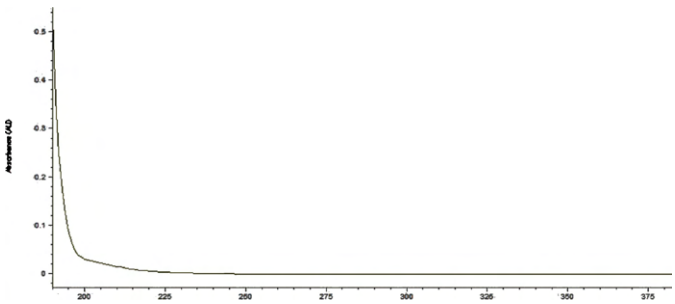


Cat No.	Package	Size
LC1007-G500ML	Glass	500 ML
LC1007-G1L	Glass	1 Litre
LC1007-G2.5L	Glass	2.5 Litre
LC1007-G4L	Glass	4 Litre

Acetonitrile, For LC Analysis — LC1386

Specifications

Assay (by GC.)	99.7%	min.
Appearance	Clear and colorless liquid	
Color (APHA)	10	max.
Water (by Coulometry)	0.1%	max.
Acidity (as CH_3COOH)	0.005%	max.
Residue on Evaporation	0.001%	max.
UV Absorbance		
280 nm	0.01	AU max.
254 nm	0.02	AU max.
214 nm	0.15	AU max.
190 nm	1.00	AU max.



Product passed through 0.2 micron final filter.

Cat No.	Package	Size
LC1386-G500ML	Glass	500 ML
LC1386-G1L	Glass	1 Litre

Cat No.	Package	Size
LC1386-G2.5L	Glass	2.5 Litre
LC1386-G4L	Glass	4 Litre

Butan-1-ol

$CH_3(CH_2)_3OH$	FW. 74.12	Melting Point	-89.5	°C
CAS-No.	71-36-3	Boiling Point	117	°C
Density 1 L	0.810 Kg.			

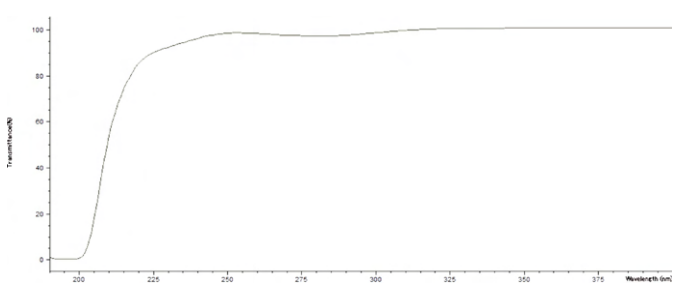
Butan-1-ol, HPLC — LC1024

Specifications

Assay (by GC.)	99.8%	min.
Appearance	Clear and colorless liquid	
Identity (IR)	Passes test	
Color (APHA)	10	max.
Water (by Coulometry)	0.05%	max.
Acidity (mEq./g.)	0.0002	max.
Alkalinity (mEq./g.)	0.0002	max.
Residue on Evaporation	0.0002%	max.
UV Transmission Levels (%T)		
310 nm	99%	min.
260 nm	95%	min.
250 nm	90%	min.
240 nm	85%	min.
230 nm	75%	min.

Fluorescence (as quinine)		
at 254 nm	2	ppb max.
at 365 nm	2	ppb max.

Product passed through 0.2 micron final filter.



Cat No.	Package	Size
LC1024-G500ML	Glass	500 ML
LC1024-G1L	Glass	1 Litre

Cat No.	Package	Size
LC1024-G2.5L	Glass	2.5 Litre
LC1024-G4L	Glass	4 Litre

n-Butyl Acetate

$CH_3COO(CH_2)_3CH_3$	FW. 116.16	Melting Point	-76	℃
CAS-No.	123-86-4	Boiling Point	126	℃
Density 1 L	0.880 Kg.			

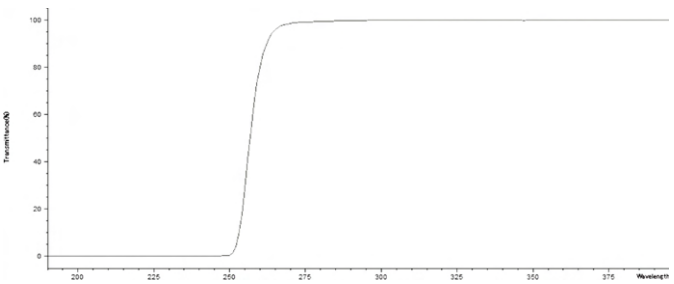
n-Butyl Acetate, HPLC — LC1025

Specifications

Assay (by GC.)	99.5%	min.
Appearance	Clear and colorless liquid	
Identity (IR)	Passes test	
Color (APHA)	10	max.
Water (by Coulometry)	0.05%	max.
Acidity (mEq./g.)	0.0005	max.
Residue on Evaporation	0.0005%	max.
UV Transmission Levels (%T)		
360 nm	99%	min.
320 nm	95%	min.
300 nm	90%	min.
280 nm	80%	min.
260 nm	50%	min.

Fluorescence (as quinine)		
at 365 nm	1	ppb max.

Product passed through 0.2 micron final filter.



Cat No.	Package	Size
LC1025-G500ML	Glass	500 ML
LC1025-G1L	Glass	1 Litre

Cat No.	Package	Size
LC1025-G2.5L	Glass	2.5 Litre
LC1025-G4L	Glass	4 Litre

1-Chlorobutane

$CH_3(CH_2)_3Cl$	FW. 92.58	Melting Point	-123	℃
CAS-No.	109-69-3	Boiling Point	78.4	℃
Density 1 L	0.886 Kg.			

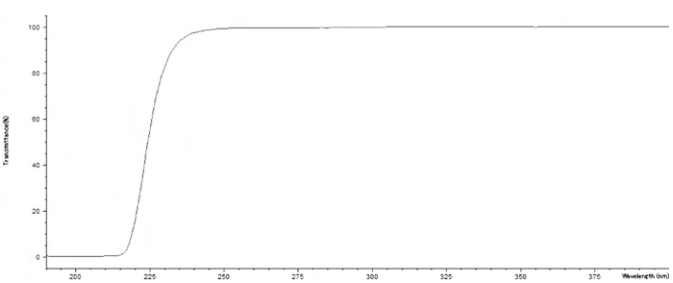
1-Chlorobutane, HPLC — LC1031

Specifications

Assay (by GC.)	99.8%	min.
Appearance	Clear and colorless liquid	
Identity (IR)	Passes test	
Color (APHA)	10	max.
Water (by Coulometry)	0.03%	max.
Acidity (mEq./g.)	0.0005	max.
Alkalinity (mEq./g.)	0.0002	max.
Residue on Evaporation	0.0003%	max.
UV Transmission Levels (%T)		
300 nm	99%	min.
280 nm	98%	min.
260 nm	95%	min.
240 nm	85%	min.
230 nm	65%	min.

Fluorescence (as quinine)		
at 365 nm	1	ppb max.

Product passed through 0.2 micron final filter.



Cat No.	Package	Size
LC1031-G500ML	Glass	500 ML
LC1031-G1L	Glass	1 Litre

Cat No.	Package	Size
LC1031-G2.5L	Glass	2.5 Litre
LC1031-G4L	Glass	4 Litre

Chloroform

$CHCl_3$	FW. 119.38	Melting Point	-63	℃
CAS-No.	67-66-3	Boiling Point	61	℃
Density 1 L	1.479 Kg.			

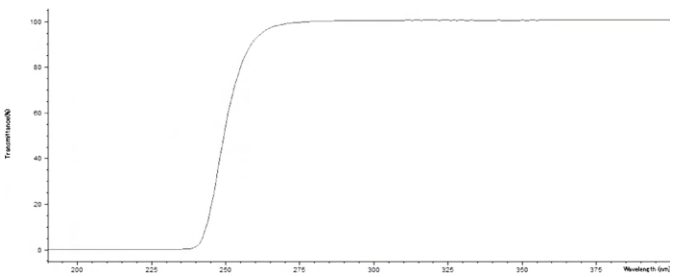
Chloroform, HPLC — LC1027E

Specifications

Assay (by GC.)	99.8%	min.
Appearance	Clear and colorless liquid	
Identity (IR)	Passes test	
Color (APHA)	10	max.
Water (by Coulometry)	0.01%	max.
Acidity (mEq./g.)	0.0005	max.
Alkalinity (mEq./g.)	0.0002	max.
Residue on Evaporation	0.0003%	max.
Acetone and Aldehyde	Passes test	
Acid and Chloride	Passes test	
Free Chlorine (Cl)	0.0005%	max.
Substances darkened by sulfuric acid	Passes test	
Suitability for use in dithizone tests	Passes test	
Lead (Pb)	0.05	ppm max.
UV Transmission Levels (%T)		
280 nm	99%	min.
270 nm	98%	min.
260 nm	85%	min.
250 nm	50%	min.
Fluorescence (as quinine)		
at 254 nm	1	ppb max.
at 365 nm	1	ppb max.

Stabilized with about 1% ethanol.

Product passed through 0.2 micron final filter.



Cat No.	Package	Size
LC1027E-G500ML	Glass	500 ML
LC1027E-G1L	Glass	1 Litre

Cat No.	Package	Size
LC1027E-G2.5L	Glass	2.5 Litre
LC1027E-G4L	Glass	4 Litre

Cyclohexane

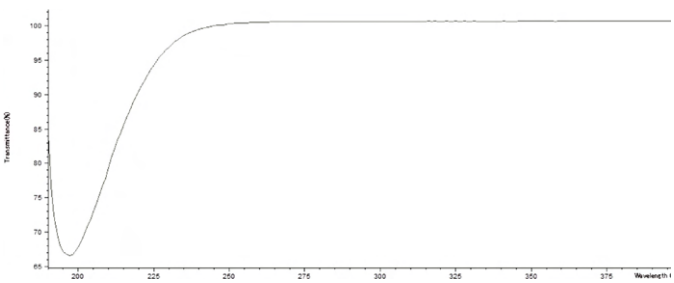
C_6H_{12}	FW. 84.16	Melting Point	6	°C
CAS-No.	110-82-7	Boiling Point	81	°C
Density 1 L	0.779 Kg.			

Cyclohexane, HPLC — LC1033

Specifications

Assay (by GC.)	99.9%	min.
Appearance	Clear and colorless liquid	
Identity (IR)	Passes test	
Color (APHA)	10	max.
Water (by Coulometry)	0.01%	max.
Acidity (mEq./g.)	0.0002	max.
Alkalinity (mEq./g.)	0.0002	max.
Residue on Evaporation	0.0002%	max.
Substances darkened by sulfuric acid	Passes test	
UV Transmission Levels (%T)		
250 nm	99%	min.
240 nm	98%	min.
230 nm	95%	min.
220 nm	80%	min.
210 nm	60%	min.
Fluorescence (as quinine)		
at 254 nm	1	ppb max.
at 365 nm	1	ppb max.

Product passed through 0.2 micron final filter.



Cat No.	Package	Size
LC1033-G500ML	Glass	500 ML
LC1033-G1L	Glass	1 Litre
LC1033-G2.5L	Glass	2.5 Litre
LC1033-G4L	Glass	4 Litre

1,2-Dichloroethane

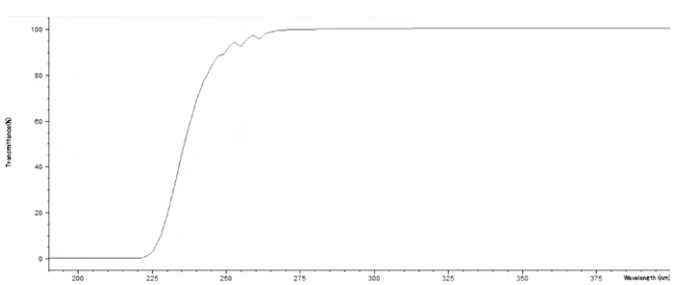
$C_2H_4Cl_2$	FW. 98.96	Melting Point	-35	°C
CAS-No.	107-06-2	Boiling Point	83.5	°C
Density 1 L	1.250 Kg.			

1,2-Dichloroethane, HPLC — LC1038

Specifications

Assay (by GC.)	99.8%	min.
Appearance	Clear and colorless liquid	
Identity (IR)	Passes test	
Color (APHA)	10	max.
Water (by Coulometry)	0.01%	max.
Acidity (mEq./g.)	0.0005	max.
Alkalinity (mEq./g.)	0.0002	max.
Residue on Evaporation	0.0003%	max.
UV Transmission Levels (%T)		
300 nm	99%	min.
280 nm	98%	min.
260 nm	90%	min.
250 nm	50%	min.
Fluorescence (as quinine)		
at 254 nm	1	ppb max.
at 365 nm	1	ppb max.

Product passed through 0.2 micron final filter.



Cat No.	Package	Size
LC1038-G500ML	Glass	500 ML
LC1038-G1L	Glass	1 Litre
LC1038-G2.5L	Glass	2.5 Litre
LC1038-G4L	Glass	4 Litre

Dichloromethane

CH_2Cl_2	FW. 84.93	Melting Point	-95	℃
CAS-No.	75-09-2	Boiling Point	40	℃
Density 1 L	1.330 Kg.			

Dichloromethane, HPLC — LC1040A

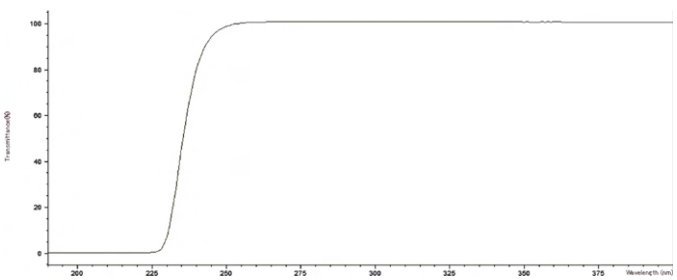
Specifications

Assay (by GC.)	99.9%	min.
Appearance	Clear and colorless liquid	
Identity (IR)	Passes test	
Color (APHA)	10	max.
Water (by Coulometry)	0.01%	max.
Acidity (mEq./g.)	0.0002	max.
Alkalinity (mEq./g.)	0.0002	max.
Residue on Evaporation	0.0003%	max.
Free Chlorine (Cl)	0.0002%	max.
UV Transmission Levels (%T)		
260 nm	99%	min.
250 nm	98%	min.
245 nm	90%	min.
240 nm	75%	min.
235 nm	40%	min.

Fluorescence (as quinine)		
at 254 nm	1	ppb max.
at 365 nm	1	ppb max.

Stabilized with about 50 ppm Amylene.

Product passed through 0.2 micron final filter.



Cat No.	Package	Size
LC1040A-G500ML	Glass	500 ML
LC1040A-G1L	Glass	1 Litre

Cat No.	Package	Size
LC1040A-G2.5L	Glass	2.5 Litre
LC1040A-G4L	Glass	4 Litre

Dichloromethane, HPLC Plus — LC1041A

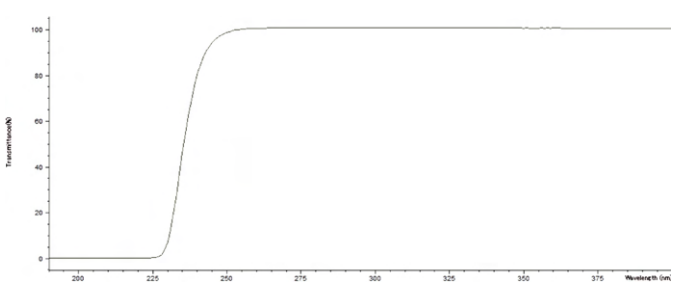
Specifications

Assay (by GC.)	99.9%	min.
Appearance	Clear and colorless liquid	
Identity (IR)	Passes test	
Color (APHA)	10	max.
Water (by Coulometry)	0.01%	max.
Acidity (mEq./g.)	0.0003	max.
Alkalinity (mEq./g.)	0.0002	max.
Residue on Evaporation	0.0003%	max.
Free Chlorine (Cl)	0.0002%	max.
UV Transmission Levels (%T)		
260 nm	99%	min.
250 nm	98%	min.
240 nm	75%	min.
235 nm	40%	min.
Fluorescence (as quinine)		
at 254 nm	1	ppb max.

at 365 nm	1	ppb max.
Silicone oil	Free	
DOP	Free	
Amide	Free	

Stabilized with about 50 ppm amylene.

Product passed through 0.2 micron final filter.



Cat No.	Package	Size
LC1041A-G500ML	Glass	500 ML
LC1041A-G1L	Glass	1 Litre

Cat No.	Package	Size
LC1041A-G2.5L	Glass	2.5 Litre
LC1041A-G4L	Glass	4 Litre

Diethyl Ether

$(C_2H_5)_2O$	FW. 74.12	Melting Point	-116.3 ℃
CAS-No.	60-29-7	Boiling Point	34.6 ℃
Density 1 L	0.710 Kg.		

Diethyl Ether, HPLC — LC1044B

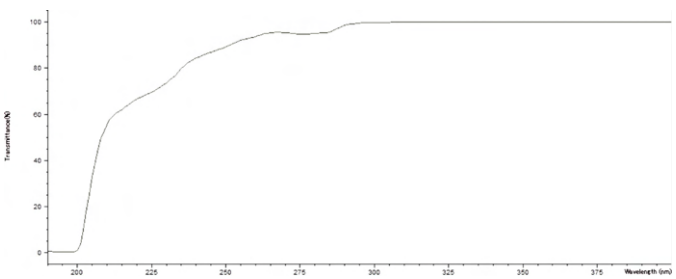
Specifications

Assay (by GC.)	99.5%	min.
Appearance	Clear and colorless liquid	
Identity (IR)	Passes test	
Color (APHA)	10	max.
Water (by Coulometry)	0.02%	max.
Acidity (mEq./g.)	0.0002	max.
Residue on Evaporation	0.0005%	max.
Peroxide (as H_2O_2)	5	ppm max.
UV Transmission Levels (%T)		
300 nm	99%	min.
280 nm	95%	min.
260 nm	90%	min.
250 nm	80%	min.
230 nm	50%	min.

Fluorescence (as quinine)		
at 365 nm	1	ppb max.

Stabilized with about 5 ppm BHT.

Product passed through 0.2 micron final filter.



Cat No.	Package	Size
LC1044B-G500ML	Glass	500 ML
LC1044B-G1L	Glass	1 Litre

Cat No.	Package	Size
LC1044B-G2.5L	Glass	2.5 Litre
LC1044B-G4L	Glass	4 Litre

Diethyl Ether, HPLC — LC1046E

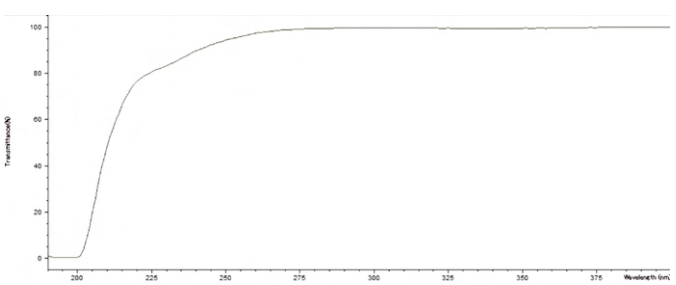
Specifications

Assay (by GC.)	99.5%	min.
Appearance	Clear and colorless liquid	
Identity (IR)	Passes test	
Color (APHA)	10	max.
Water (by Coulometry)	0.02%	max.
Acidity (mEq./g.)	0.0002	max.
Residue on Evaporation	0.0005%	max.
Peroxide (as H_2O_2)	5	ppm max.
UV Transmission Levels (%T)		
280 nm	99%	min.
260 nm	95%	min.
250 nm	90%	min.
240 nm	80%	min.
230 nm	70%	min.

Fluorescence (as quinine)		
at 365 nm	1	ppb max.

Stabilized with about 1% ethanol.

Product passed through 0.2 micron final filter.



Cat No.	Package	Size
LC1046E-G500ML	Glass	500 ML
LC1046E-G1L	Glass	1 Litre

Cat No.	Package	Size
LC1046E-G2.5L	Glass	2.5 Litre
LC1046E-G4L	Glass	4 Litre

Dimethylacetamide

$CH_3CON(CH_3)_2$	FW. 87.12	Melting Point	-20	°C
CAS-No.	127-19-5	Boiling Point	166	°C
Density 1 L	0.940 Kg.			

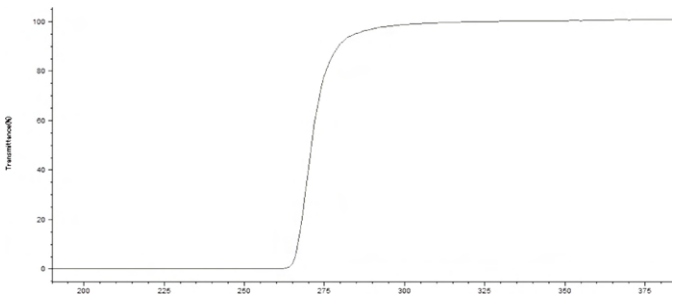
Dimethylacetamide, HPLC — LC1050

Specifications

Assay (by GC.)	99.8%	min.
Appearance	Clear and colorless liquid	
Identity (IR)	Passes test	
Color (APHA)	10	max.
Water (by Coulometry)	0.05%	max.
Acidity (mEq./g.)	0.0005	max.
Residue on Evaporation	0.0005%	max.
UV Transmission Levels (%T)		
350 nm	99%	min.
320 nm	98%	min.
290 nm	85%	min.
280 nm	80%	min.
275 nm	60%	min.

Fluorescence (as quinine)		
at 365 nm	1	ppb max.

Product passed through 0.2 micron final filter.



Cat No.	Package	Size
LC1050-G500ML	Glass	500 ML
LC1050-G1L	Glass	1 Litre

Cat No.	Package	Size
LC1050-G2.5L	Glass	2.5 Litre
LC1050-G4L	Glass	4 Litre

Dimethylformamide

$HCON(CH_3)_2$	FW. 73.10	Melting Point	-61	°C
CAS-No.	68-12-2	Boiling Point	153	°C
Density 1 L	0.949 Kg.			

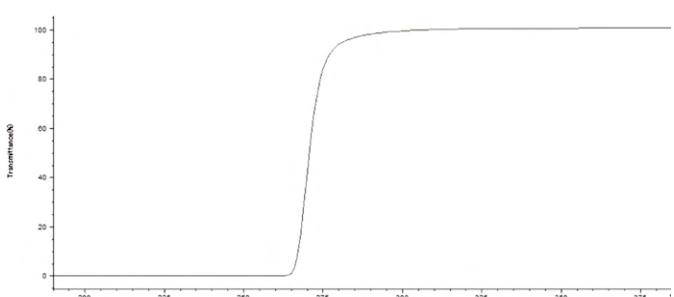
Dimethylformamide, HPLC — LC1051

Specifications

Assay (by GC.)	99.9%	min.
Appearance	Clear and colorless liquid	
Identity (IR)	Passes test	
Color (APHA)	10	max.
Water (by Coulometry)	0.05%	max.
Acidity (mEq./g.)	0.0005	max.
Residue on Evaporation	0.0005%	max.
UV Transmission Levels (%T)		
320 nm	99%	min.
300 nm	98%	min.
290 nm	90%	min.
280 nm	80%	min.
275 nm	60%	min.

Fluorescence (as quinine)		
at 365 nm	1	ppb max.

Product passed through 0.2 micron final filter.



Cat No.	Package	Size
LC1051-G500ML	Glass	500 ML
LC1051-G1L	Glass	1 Litre

Cat No.	Package	Size
LC1051-G2.5L	Glass	2.5 Litre
LC1051-G4L	Glass	4 Litre

Dimethylsulphoxide

$(CH_3)_2SO$	FW. 78.13	Melting Point	18.5 °C
CAS-No.	67-68-5	Boiling Point	189 °C
Density 1 L	1.100 Kg.		

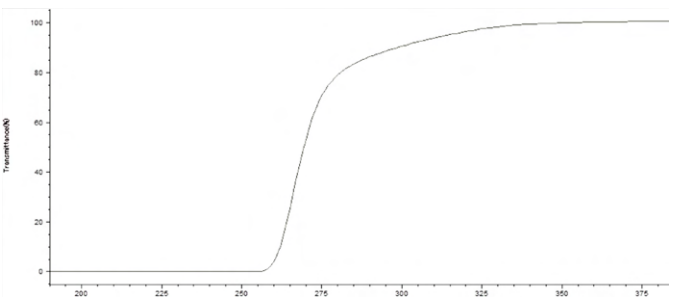
Dimethylsulphoxide, HPLC — LC1334

Specifications

Assay (by GC.)	99.9%	min.
Appearance	Clear and colorless liquid	
Identity (IR)	Passes test	
Color (APHA)	10	max.
Water (by Coulometry)	0.05%	max.
Acidity (mEq./g.)	0.0005	max.
Residue on Evaporation	0.0005%	max.
UV Transmission Levels (%T)		
360 nm	98%	min.
340 nm	95%	min.
330 nm	90%	min.
310 nm	80%	min.
290 nm	65%	min.

Fluorescence (as quinine)		
at 254 nm	2	ppb max.
at 365 nm	2	ppb max.

Product passed through 0.2 micron final filter.



Cat No.	Package	Size
LC1334-G500ML	Glass	500 ML
LC1334-G1L	Glass	1 Litre

Cat No.	Package	Size
LC1334-G2.5L	Glass	2.5 Litre
LC1334-G4L	Glass	4 Litre

1,4-Dioxan

$C_4H_8O_2$	FW. 88.11	Melting Point	12 °C
CAS-No.	123-91-1	Boiling Point	101.5 °C
Density 1 L	1.030 Kg.		

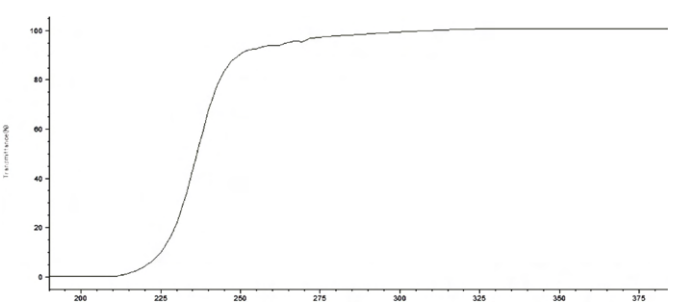
1,4-Dioxan, HPLC — LC1057

Specifications

Assay (by GC.)	99.8%	min.
Appearance	Clear and colorless liquid	
Identity (IR)	Passes test	
Color (APHA)	10	max.
Water (by Coulometry)	0.02%	max.
Acidity (mEq./g.)	0.0005	max.
Alkalinity (mEq./g.)	0.0002	max.
Residue on Evaporation	0.0002%	max.
UV Transmission Levels (%T)		
290 nm	98%	min.
280 nm	95%	min.
270 nm	90%	min.
260 nm	85%	min.
250 nm	80%	min.

Fluorescence (as quinine)		
at 254 nm	5	ppb max.
at 365 nm	2	ppb max.

Product passed through 0.2 micron final filter.



Cat No.	Package	Size
LC1057-G500ML	Glass	500 ML
LC1057-G1L	Glass	1 Litre

Cat No.	Package	Size
LC1057-G2.5L	Glass	2.5 Litre
LC1057-G4L	Glass	4 Litre

Ethanol

C_2H_5OH	FW. 46.07	Melting Point	-114.5 ℃
CAS-No.	64-17-5	Boiling Point	78.3 ℃
Density 1 L	0.790 Kg.		

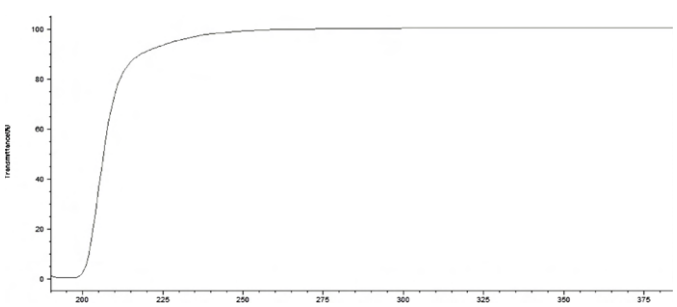
Ethanol, HPLC — LC1380

Specifications
(Conforms to ACS/BP/EP/USP/NF)

Assay (by GC.)	99.7%	min.
Appearance	Clear and colorless liquid	
Identity (IR)	Passes test	
Color (APHA)	10	max.
Color of solution	Passes test	
Clarity of solution	Passes test	
Water (by Coulometry)	0.1%	max.
Acid or alkalinity	30	ppm max.
Acidity (mEq./g.)	0.0002	max.
Alkalinity (mEq./g.)	0.0002	max.
Residue on Evaporation	0.0005%	max.
Aldehydes (as Acetaldehyde)	0.001%	max.
Carbonyl compounds (as CO)	0.003%	max.
Acetone (GC.)	0.001%	max.
Ethylmethylketone (GC.)	0.02%	max.
Higher alcohols (GC.)	0.01%	max.
Isoamyl alcohol (GC.)	0.05%	max.
Methanol (GC.)	0.01%	max.
Propan-2-ol (GC.)	0.003%	max.
Acetaldehyde and Acetal	10	ppm max.
Benzene	2	ppm max.
Total of other impurities	300	ppm max.
Disregard limit	9	ppm max.
Fusel oil	Passes test	
Readily carbonizable substances	Passes test	
Solubility in water	Passes test	
Substances reducing permanganate	0.0002%	max.
Chloride (Cl)	0.3	ppm max.
Nitrate (NO_3)	0.3	ppm max.
Phosphate (PO_4)	0.3	ppm max.
Sulfate (SO_4)	0.3	ppm max.
Aluminium (Al)	0.5	ppm max.
Antimony (Sb)	0.02	ppm max.
Arsenic (As)	0.02	ppm max.
Barium (Ba)	0.1	ppm max.
Beryllium (Be)	0.02	ppm max.
Bismuth (Bi)	0.02	ppm max.

Cadmium (Cd)	0.05	ppm max.
Calcium (Ca)	0.5	ppm max.
Chromium (Cr)	0.02	ppm max.
Copper (Cu)	0.02	ppm max.
Gallium (Ga)	0.02	ppm max.
Gold (Au)	0.02	ppm max.
Indium (In)	0.02	ppm max.
Iron (Fe)	0.1	ppm max.
Platinum (Pt)	0.02	ppm max.
Lead (Pb)	0.1	ppm max.
Lithium (Li)	0.02	ppm max.
Magnesium (Mg)	0.1	ppm max.
Manganese (Mn)	0.02	ppm max.
Molybdenum (Mo)	0.02	ppm max.
Nickel (Ni)	0.02	ppm max.
Silver (Ag)	0.02	ppm max.
Tin (Sn)	0.1	ppm max.
Titanium (Ti)	0.02	ppm max.
Thallium (Tl)	0.02	ppm max.
Vanadium (V)	0.02	ppm max.
Zinc (Zn)	0.1	ppm max.
Zirconium (Zr)	0.02	ppm max.
UV Absorbance		
270 - 340 nm	0.10	AU max.
250 - 260 nm	0.30	AU max.
240 nm	0.40	AU max.

Denatured with Tert Butyl Alcohol less than 0.15% (v/v).



Cat No.	Package	Size
LC1380-G500ML	Glass	500 ML
LC1380-G1L	Glass	1 Litre

Cat No.	Package	Size
LC1380-G2.5L	Glass	2.5 Litre
LC1380-G4L	Glass	4 Litre

Ethyl Acetate

$CH_3COOC_2H_5$	FW. 88.11	Melting Point	-83	°C
CAS-No.	141-78-6	Boiling Point	77	°C
Density 1 L	0.900 Kg.			

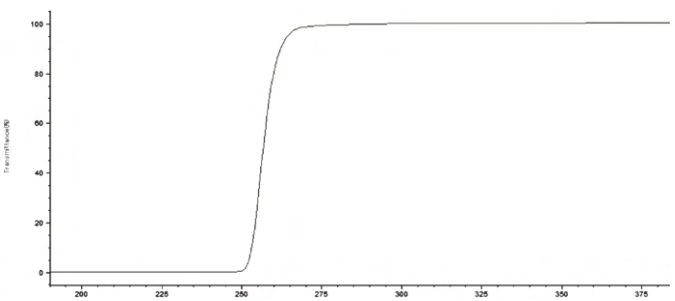
Ethyl Acetate, HPLC — LC1070

Specifications

Assay (by GC.)	99.8%	min.
Appearance	Clear and colorless liquid	
Identity (IR)	Passes test	
Color (APHA)	10	max.
Water (by Coulometry)	0.02%	max.
Acidity (mEq./g.)	0.0002	max.
Alkalinity (mEq./g.)	0.0002	max.
Residue on Evaporation	0.0002%	max.
Substances darkened by sulfuric acid	Passes test	
UV Transmission Levels (%T)		
300 nm	99%	min.
270 nm	98%	min.
265 nm	80%	min.
260 nm	70%	min.

Fluorescence (as quinine)		
at 254 nm	2	ppb max.
at 365 nm	1	ppb max.

Product passed through 0.2 micron final filter.



Cat No.	Package	Size
LC1070-G500ML	Glass	500 ML
LC1070-G1L	Glass	1 Litre

Cat No.	Package	Size
LC1070-G2.5L	Glass	2.5 Litre
LC1070-G4L	Glass	4 Litre

n-Heptane

$CH_3(CH_2)_5CH_3$	FW. 100.21	Melting Point	-90.5	°C
CAS-No.	142-82-5	Boiling Point	97-98	°C
Density 1 L	0.680 Kg.			

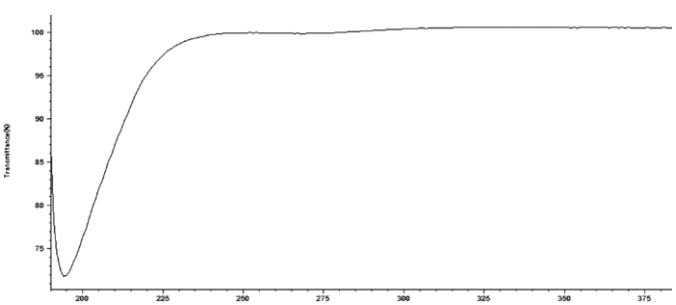
n-Heptane 95%, HPLC — LC1078

Specifications

Assay (by GC.)	95.0%	min.
Appearance	Clear and colorless liquid	
Identity (IR)	Passes test	
Color (APHA)	10	max.
Water (by Coulometry)	0.01%	max.
Acidity (mEq./g.)	0.0005	max.
Alkalinity (mEq./g.)	0.0002	max.
Residue on Evaporation	0.0003%	max.
Substances darkened by sulfuric acid	Passes test	
UV Transmission Levels (%T)		
250 nm	99%	min.
240 nm	98%	min.
230 nm	95%	min.
220 nm	80%	min.

210 nm	60%	min.
Fluorescence (as quinine)		
at 254 nm	1	ppb max.
at 365 nm	1	ppb max.

Product passed through 0.2 micron final filter.



Cat No.	Package	Size
LC1078-G500ML	Glass	500 ML
LC1078-G1L	Glass	1 Litre

Cat No.	Package	Size
LC1078-G2.5L	Glass	2.5 Litre
LC1078-G4L	Glass	4 Litre

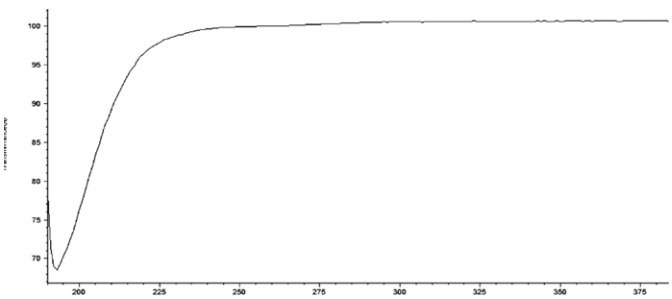
n-Heptane 99%, HPLC — LC1080

Specifications

Assay (by GC.)	99.3%	min.
Appearance	Clear and colorless liquid	
Identity (IR)	Passes test	
Color (APHA)	10	max.
Water (by Coulometry)	0.01%	max.
Acidity (mEq./g.)	0.0002	max.
Alkalinity (mEq./g.)	0.0002	max.
Residue on Evaporation	0.0002%	max.
Substances darkened by sulfuric acid	Passes test	
UV Transmission Levels (%T)		
250 nm	99%	min.
240 nm	98%	min.
230 nm	95%	min.
220 nm	80%	min.
210 nm	60%	min.

Fluorescence (as quinine)		
at 254 nm	1	ppb max.
at 365 nm	1	ppb max.

Product passed through 0.2 micron final filter.



Cat No.	Package	Size
LC1080-G500ML	Glass	500 ML
LC1080-G1L	Glass	1 Litre

Cat No.	Package	Size
LC1080-G2.5L	Glass	2.5 Litre
LC1080-G4L	Glass	4 Litre

Heptane Fraction

C_7H_{16}	FW. 100.21	Melting Point	-90.5 °C
CAS-No.	142-82-5	Boiling Point	97-98 °C
Density 1 L	0.680 - 0.690 Kg.		

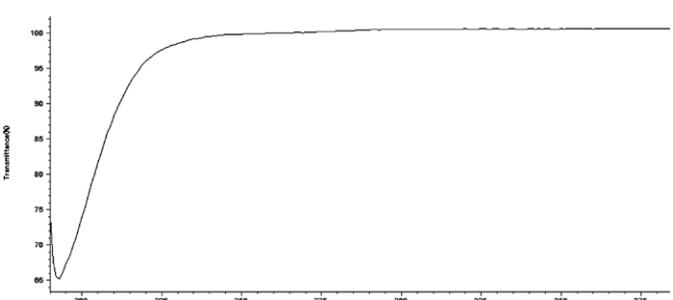
Heptane Fraction, HPLC — LC1082

Specifications

Assay (by GC.)	85.0%	min.
Appearance	Clear and colorless liquid	
Identity (IR)	Passes test	
Color (APHA)	10	max.
Water (by Coulometry)	0.01%	max.
Acidity (mEq./g.)	0.0005	max.
Alkalinity (mEq./g.)	0.0002	max.
Residue on Evaporation	0.0003%	max.
Substances darkened by sulfuric acid	Passes test	
UV Transmission Levels (%T)		
250 nm	99%	min.
240 nm	98%	min.
230 nm	95%	min.
220 nm	80%	min.
210 nm	60%	min.

Fluorescence (as quinine)		
at 254 nm	1	ppb max.
at 365 nm	1	ppb max.

Product passed through 0.2 micron final filter.



Cat No.	Package	Size
LC1082-G500ML	Glass	500 ML
LC1082-G1L	Glass	1 Litre

Cat No.	Package	Size
LC1082-G2.5L	Glass	2.5 Litre
LC1082-G4L	Glass	4 Litre

n-Hexane

$CH_3(CH_2)_4CH_3$	FW. 86.18	Melting Point	-94.3 °C
CAS-No.	110-54-3	Boiling Point	69 °C
Density 1 L	0.660 Kg.		

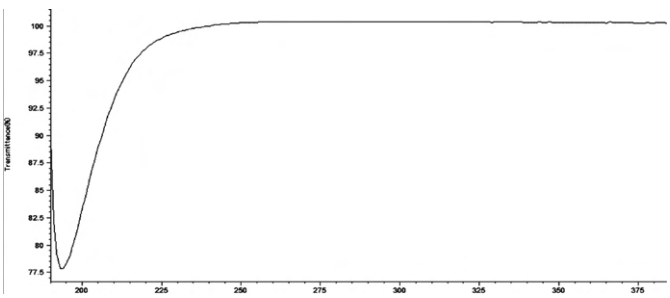
n-Hexane 95%, HPLC — LC1083

Specifications

Assay (by GC.)	95.0%	min.
Appearance	Clear and colorless liquid	
Identity (IR)	Passes test	
Color (APHA)	10	max.
Water (by Coulometry)	0.01%	max.
Acidity (mEq./g.)	0.0005	max.
Alkalinity (mEq./g.)	0.0002	max.
Residue on Evaporation	0.0003%	max.
Substances darkened by sulfuric acid	Passes test	
UV Transmission Levels (%T)		
240 nm	99%	min.
230 nm	98%	min.
220 nm	90%	min.
210 nm	70%	min.
200 nm	50%	min.

Fluorescence (as quinine)		
at 254 nm	1	ppb max.
at 365 nm	1	ppb max.

Product passed through 0.2 micron final filter.



Cat No.	Package	Size
LC1083-G500ML	Glass	500 ML
LC1083-G1L	Glass	1 Litre

Cat No.	Package	Size
LC1083-G2.5L	Glass	2.5 Litre
LC1083-G4L	Glass	4 Litre

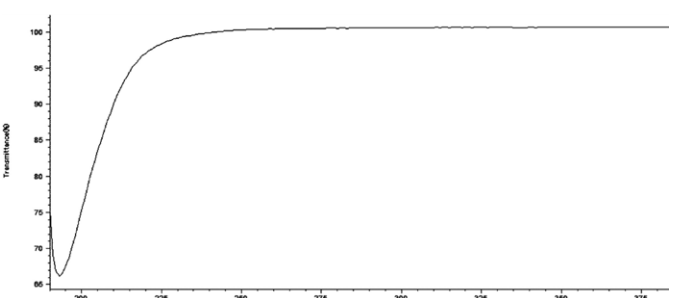
n-Hexane 95%, HPLC Plus — LC1084

Specifications

Assay (by GC.)	95.0%	min.
Appearance	Clear and colorless liquid	
Identity (IR)	Passes test	
Color (APHA)	10	max.
Water (by Coulometry)	0.01%	max.
Acidity (mEq./g.)	0.0005	max.
Alkalinity (mEq./g.)	0.0002	max.
Residue on Evaporation	0.0003%	max.
Substances darkened by sulfuric acid	Passes test	
UV Transmission Levels (%T)		
240 nm	99%	min.
230 nm	98%	min.
220 nm	90%	min.
210 nm	70%	min.
200 nm	50%	min.
Fluorescence (as quinine)		

at 254 nm	1	ppb max.
at 365 nm	1	ppb max.
Silicone oil	Free	
DOP	Free	
Amide	Free	

Product passed through 0.2 micron final filter.



Cat No.	Package	Size
LC1084-G500ML	Glass	500 ML
LC1084-G1L	Glass	1 Litre

Cat No.	Package	Size
LC1084-G2.5L	Glass	2.5 Litre
LC1084-G4L	Glass	4 Litre

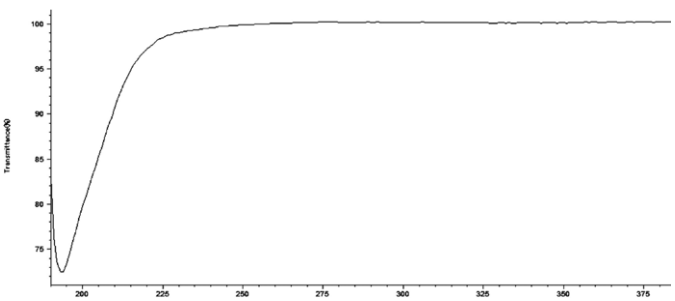
n-Hexane 99%, HPLC — LC1085

Specifications

Assay (by GC.)	99.0%	min.
Appearance	Clear and colorless liquid	
Identity (IR)	Passes test	
Color (APHA)	10	max.
Water (by Coulometry)	0.01%	max.
Acidity (mEq./g.)	0.0002	max.
Alkalinity (mEq./g.)	0.0002	max.
Residue on Evaporation	0.0001%	max.
Substances darkened by sulfuric acid	Passes test	
UV Transmission Levels (%T)		
240 nm	99%	min.
230 nm	98%	min.
220 nm	90%	min.
210 nm	70%	min.
200 nm	50%	min.

Fluorescence (as quinine)		
at 254 nm	1	ppb max.
at 365 nm	1	ppb max.

Product passed through 0.2 micron final filter.



Cat No.	Package	Size
LC1085-G500ML	Glass	500 ML
LC1085-G1L	Glass	1 Litre

Cat No.	Package	Size
LC1085-G2.5L	Glass	2.5 Litre
LC1085-G4L	Glass	4 Litre

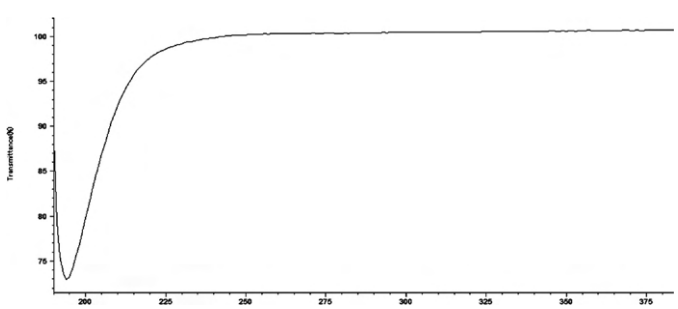
n-Hexane 99%, HPLC Plus — LC1086

Specifications

Assay (by GC.)	99.0%	min.
Appearance	Clear and colorless liquid	
Identity (IR)	Passes test	
Color (APHA)	10	max.
Water (by Coulometry)	0.01%	max.
Acidity (mEq./g.)	0.0005	max.
Alkalinity (mEq./g.)	0.0002	max.
Residue on Evaporation	0.0003%	max.
Substances darkened by sulfuric acid	Passes test	
UV Transmission Levels (%T)		
240 nm	99%	min.
230 nm	98%	min.
220 nm	90%	min.
210 nm	70%	min.
200 nm	50%	min.
Fluorescence (as quinine)		
at 254 nm	1	ppb max.

at 365 nm	1	ppb max.
Silicone oil	Free	
DOP	Free	
Amide	Free	

Product passed through 0.2 micron final filter.



Cat No.	Package	Size
LC1086-G500ML	Glass	500 ML
LC1086-G1L	Glass	1 Litre

Cat No.	Package	Size
LC1086-G2.5L	Glass	2.5 Litre
LC1086-G4L	Glass	4 Litre

Hexanes

C_6H_{14}	FW. 86.18	Melting Point	-94.3 °C
CAS-No.	110-54-3	Boiling Point	69 °C
Density 1 L	0.660 Kg.		

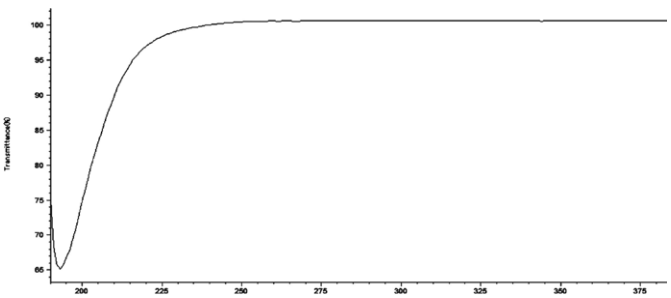
Hexanes, HPLC — LC1090

Specifications

Assay (by GC. : Total C_6 Isomers)	99.5%	min.
Appearance	Clear and colorless liquid	
Identity (IR)	Passes test	
Color (APHA)	10	max.
Water (by Coulometry)	0.01%	max.
Acidity (mEq./g.)	0.0005	max.
Residue on Evaporation	0.0003%	max.
Substances darkened by sulfuric acid	Passes test	
UV Transmission Levels (%T)		
240 nm	99%	min.
230 nm	98%	min.
220 nm	90%	min.
210 nm	70%	min.
200 nm	50%	min.
Fluorescence (as quinine)		
at 254 nm	1	ppb max.
at 365 nm	1	ppb max.

Total isomers : n-Hexane , Methylpentane , Methylcyclopentane and Dimethylbutane.

Product passed through 0.2 micron final filter.



Cat No.	Package	Size
LC1090-G500ML	Glass	500 ML
LC1090-G1L	Glass	1 Litre
LC1090-G2.5L	Glass	2.5 Litre
LC1090-G4L	Glass	4 Litre

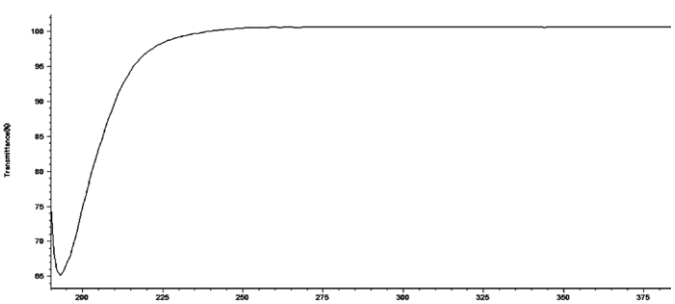
Hexanes, HPLC Plus — LC1226

Specifications

Assay (by GC. : Total C_6 Isomers)	99.5%	min.
Appearance	Clear and colorless liquid	
Identity (IR)	Passes test	
Color (APHA)	10	max.
Water (by Coulometry)	0.01%	max.
Acidity (mEq./g.)	0.0005	max.
Residue on Evaporation	0.0003%	max.
Substances darkened by sulfuric acid	Passes test	
UV Transmission Levels (%T)		
240 nm	99%	min.
230 nm	98%	min.
220 nm	90%	min.
210 nm	70%	min.
200 nm	50%	min.
Fluorescence (as quinine)		
at 254 nm	1	ppb max.
at 365 nm	1	ppb max.
Silicone oil	Free	
DOP	Free	
Amide	Free	

Total isomers : n-Hexane , Methylpentane , Methylcyclopentane and Dimethylbutane.

Product passed through 0.2 micron final filter.



Cat No.	Package	Size
LC1226-G500ML	Glass	500 ML
LC1226-G1L	Glass	1 Litre
LC1226-G2.5L	Glass	2.5 Litre
LC1226-G4L	Glass	4 Litre

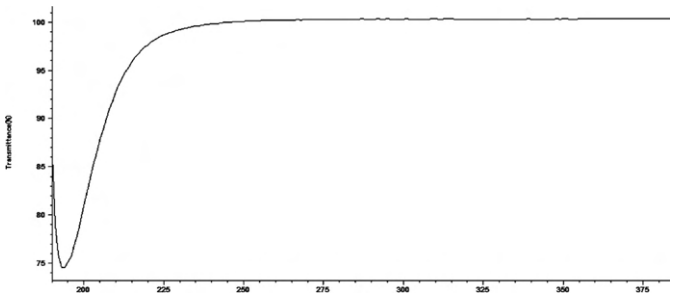
Hexane Fraction, HPLC — LC1088

Specifications

Assay (by GC.)	45.0%	min.
Appearance	Clear and colorless liquid	
Identity (IR)	Passes test	
Color (APHA)	10	max.
Water (by Coulometry)	0.01%	max.
Acidity (mEq./g.)	0.0005	max.
Residue on Evaporation	0.0003%	max.
UV Transmission Levels (%T)		
250 nm	99%	min.
240 nm	98%	min.
230 nm	95%	min.
220 nm	80%	min.
210 nm	60%	min.

Fluorescence (as quinine)		
at 254 nm	1	ppb max.
at 365 nm	1	ppb max.

Product passed through 0.2 micron final filter.



Cat No.	Package	Size
LC1088-G500ML	Glass	500 ML
LC1088-G1L	Glass	1 Litre

Cat No.	Package	Size
LC1088-G2.5L	Glass	2.5 Litre
LC1088-G4L	Glass	4 Litre

Methanol

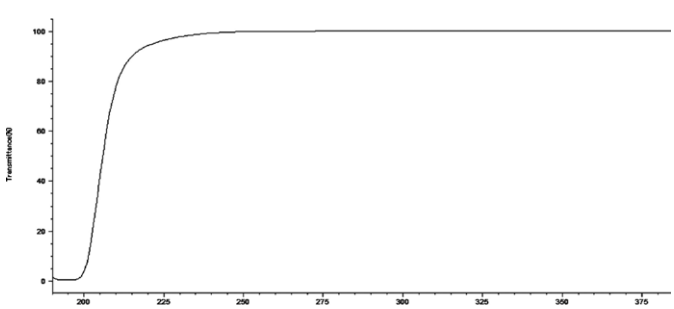
CH_3OH	FW. 32.04	Melting Point	-98	°C
CAS-No.	67-56-1	Boiling Point	64.5	°C
Density 1 L	0.790 Kg.			

Methanol, HPLC — LC1115

Specifications

Assay (by GC.)	99.9%	min.
Appearance	Clear and colorless liquid	
Identity (IR)	Passes test	
Color (APHA)	10	max.
Water (by Coulometry)	0.05%	max.
Acidity (mEq./g.)	0.0003	max.
Alkalinity (mEq./g.)	0.0002	max.
Residue on Evaporation	0.0003%	max.
Acetaldehyde (GC.)	0.001%	max.
Acetone (GC.)	0.001%	max.
Carbonyl Compounds	0.001%	max.
Formaldehyde (GC.)	0.001%	max.
Solubility in water	Passes test	
Substances reducing permanganate	Passes test	
Substances darkened by sulfuric acid	Passes test	
UV Transmission Levels (%T)		
250 nm	99%	min.
240 nm	98%	min.
230 nm	80%	min.
220 nm	70%	min.
210 nm	60%	min.
Fluorescence (as quinine)		
at 254 nm	1	ppb max.
at 365 nm	1	ppb max.

Product passed through 0.2 micron final filter.



Cat No.	Package	Size
LC1115-G500ML	Glass	500 ML
LC1115-G1L	Glass	1 Litre

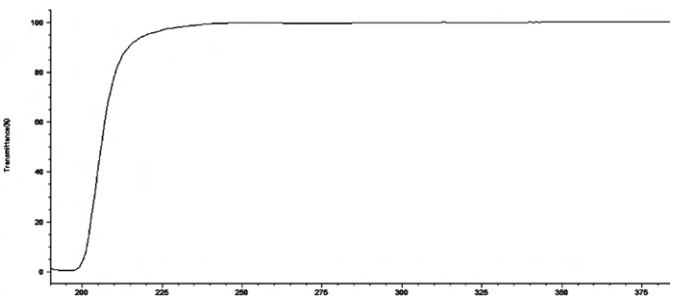
Cat No.	Package	Size
LC1115-G2.5L	Glass	2.5 Litre
LC1115-G4L	Glass	4 Litre

Methanol, HPLC Plus — LC1224

Specifications

Assay (by GC.)	99.9%	min.
Appearance	Clear and colorless liquid	
Identity (IR)	Passes test	
Color (APHA)	10	max.
Water (by Coulometry)	0.05%	max.
Acidity (mEq./g.)	0.0003	max.
Alkalinity (mEq./g.)	0.0002	max.
Residue on Evaporation	0.0003%	max.
Acetaldehyde (GC.)	0.001%	max.
Acetone (GC.)	0.001%	max.
Carbonyl Compounds	0.001%	max.
Formaldehyde (GC.)	0.001%	max.
Solubility in water	passes test	
Substances reducing permanganate	passes test	
Substances darkened by sulfuric acid	passes test	
UV Transmission Levels (%T)		
250 nm	99%	min.
240 nm	98%	min.
230 nm	80%	min.
220 nm	70%	min
210 nm	60%	min.
Fluorescence (as quinine)		
at 254 nm	1	ppb max.
at 365 nm	1	ppb max.
Silicone oil	Free	
DOP	Free	
Amide	Free	

Product passed through 0.2 micron final filter.



Cat No.	Package	Size
LC1224-G500ML	Glass	500 ML
LC1224-G1L	Glass	1 Litre

Cat No.	Package	Size
LC1224-G2.5L	Glass	2.5 Litre
LC1224-G4L	Glass	4 Litre

Methyl-t-Butyl Ether

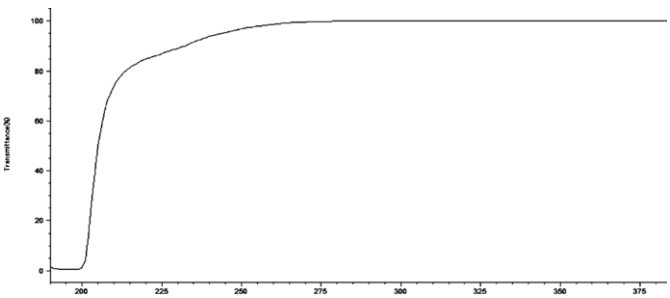
$CH_3OC(CH_3)_3$	FW. 88.15	Melting Point	-108.6 °C
CAS-No.	1634-04-4	Boiling Point	55.3 °C
Density 1 L	0.740 Kg.		

Methyl-t-Butyl Ether, HPLC — LC1125

Specifications

Assay (by GC.)	99.8%	min.
Appearance	Clear and colorless liquid	
Identity (IR)	Passes test	
Color (APHA)	10	max.
Water (by Coulometry)	0.02%	max.
Acidity (mEq./g.)	0.0002	max.
Alkalinity (mEq./g.)	0.0002	max.
Residue on Evaporation	0.0002%	max.
Peroxide (as H_2O_2)	1	ppm max.
UV Transmission Levels (%T)		
280 nm	99%	min.
270 nm	98%	min.
260 nm	90%	min.
255 nm	85%	min.
240 nm	60%	min.
Fluorescence (as quinine)		
at 365 nm	1	ppb max.

Product passed through 0.2 micron final filter.



Cat No.	Package	Size
LC1125-G500ML	Glass	500 ML
LC1125-G1L	Glass	1 Litre
LC1125-G2.5L	Glass	2.5 Litre
LC1125-G4L	Glass	4 Litre

Methyl Ethyl Ketone

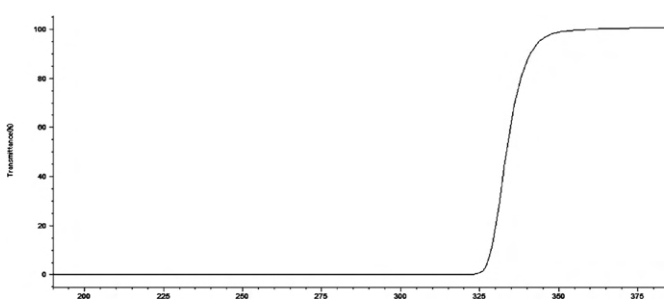
$C_2H_5COCH_3$	FW. 72.11	Melting Point	-86 °C
CAS-No.	78-93-3	Boiling Point	79.6 °C
Density 1 L	0.805 Kg.		

Methyl Ethyl Ketone, HPLC — LC1122

Specifications

Assay (by GC.)	99.8%	min.
Appearance	Clear liquid	
Identity (IR)	Passes test	
Color (APHA)	10	max.
Water (by Coulometry)	0.05%	max.
Acidity (mEq./g.)	0.0005	max.
Residue on Evaporation	0.0003%	max.
UV Transmission Levels (%T)		
360 nm	99%	min.
350 nm	98%	min.
340 nm	85%	min.
335 nm	50%	min.
Fluorescence (as quinine)		
at 365 nm	1	ppb max.

Product passed through 0.2 micron final filter.



Cat No.	Package	Size
LC1122-G500ML	Glass	500 ML
LC1122-G1L	Glass	1 Litre
LC1122-G2.5L	Glass	2.5 Litre
LC1122-G4L	Glass	4 Litre

n-Methyl-2-Pyrrolidone

C_5H_9NO	FW. 99.13	Melting Point	-24	℃
CAS-No.	872-50-4	Boiling Point	202	℃
Density 1 L	1.030 Kg.			

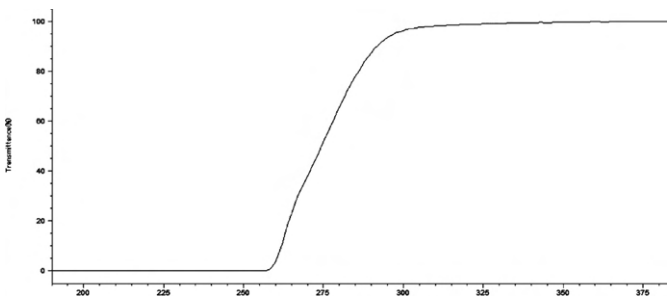
n-Methyl-2-Pyrrolidone, HPLC — LC1123

Specifications

Assay (by GC.)	99.5%	min.
Appearance	Clear and colorless liquid	
Identity (IR)	Passes test	
Color (APHA)	10	max.
Water (by Coulometry)	0.05%	max.
Acidity (mEq./g.)	0.0005	max.
Residue on Evaporation	0.0005%	max.
UV Transmission Levels (%T)		
350 nm	99%	min.
330 nm	95%	min.
310 nm	80%	min.
290 nm	70%	min.
280 nm	50%	min.

Fluorescence (as quinine)		
at 365 nm	1	ppb max.

Product passed through 0.2 micron final filter.



Cat No.	Package	Size
LC1123-G500ML	Glass	500 ML
LC1123-G1L	Glass	1 Litre

Cat No.	Package	Size
LC1123-G2.5L	Glass	2.5 Litre
LC1123-G4L	Glass	4 Litre

n-Pentane

$CH_3(CH_2)_3CH_3$	FW. 72.15	Melting Point	-129.7	℃
CAS-No.	109-66-0	Boiling Point	36.1	℃
Density 1 L	0.630 Kg.			

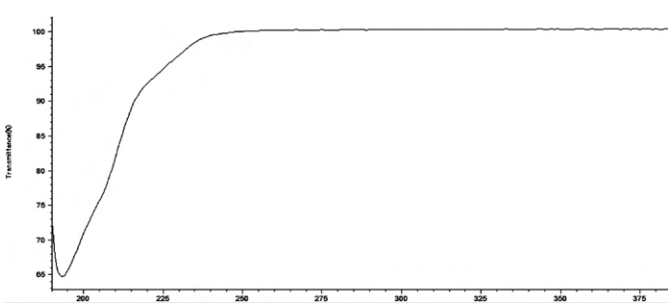
n-Pentane 95%, HPLC — LC1145

Specifications

Assay (by GC.)	95.0%	min.
Appearance	Clear and colorless liquid	
Identity (IR)	Passes test	
Color (APHA)	10	max.
Water (by Coulometry)	0.01%	max.
Acidity (mEq./g.)	0.0005	max.
Residue on Evaporation	0.0003%	max.
Substances darkened by sulfuric acid	Passes test	
UV Transmission Levels (%T)		
250 nm	99%	min.
240 nm	98%	min.
230 nm	95%	min.
220 nm	85%	min.
210 nm	60%	min.

Fluorescence (as quinine)		
at 254 nm	1	ppb max.
at 365 nm	1	ppb max.

Product passed through 0.2 micron final filter.



Cat No.	Package	Size
LC1145-G500ML	Glass	500 ML
LC1145-G1L	Glass	1 Litre

Cat No.	Package	Size
LC1145-G2.5L	Glass	2.5 Litre
LC1145-G4L	Glass	4 Litre

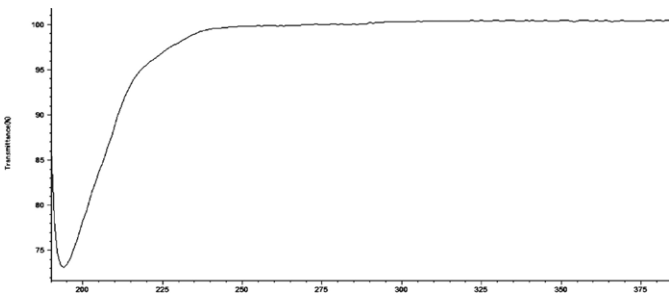
n-Pentane 99%, HPLC — LC1146

Specifications

Assay (by GC.)	99.0%	min.
Appearance	Clear and colorless liquid	
Identity (IR)	Passes test	
Color (APHA)	10	max.
Water (by Coulometry)	0.01%	max.
Acidity (mEq./g.)	0.0005	max.
Residue on Evaporation	0.0003%	max.
Substances darkened by sulfuric acid	Passes test	
UV Transmission Levels (%T)		
250 nm	99%	min.
240 nm	98%	min.
230 nm	95%	min.
220 nm	85%	min.
210 nm	60%	min.

Fluorescence (as quinine)		
at 254 nm	1	ppb max.
at 365 nm	1	ppb max.

Product passed through 0.2 micron final filter.



Cat No.	Package	Size
LC1146-G500ML	Glass	500 ML
LC1146-G1L	Glass	1 Litre

Cat No.	Package	Size
LC1146-G2.5L	Glass	2.5 Litre
LC1146-G4L	Glass	4 Litre

Petroleum Ether 40 - 60

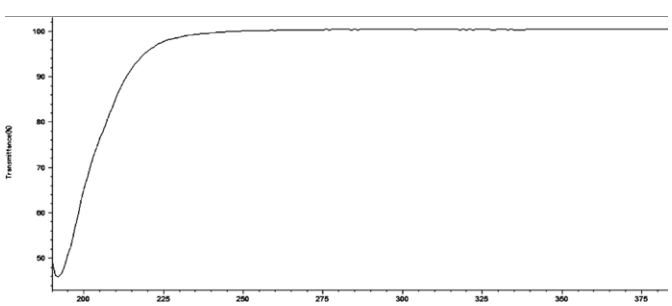
CAS-No.	64742-49-0	Boiling Point	40-60 ℃
Density 1 L	0.645-0.665 Kg.		

Petroleum Ether 40 - 60, HPLC — LC1147

Specifications

Appearance	Clear and colorless liquid	
Identity (IR)	Passes test	
Color (APHA)	10	max.
Water (by Coulometry)	0.01%	max.
Acidity (mEq./g.)	0.0005	max.
Residue on Evaporation	0.0005%	max.
Sulfur Compounds (S)	0.002%	max.
UV Transmission Levels (%T)		
250 nm	99%	min.
240 nm	98%	min.
230 nm	90%	min.
220 nm	80%	min.
210 nm	60%	min.

Product passed through 0.2 micron final filter.



Cat No.	Package	Size
LC1147-G500ML	Glass	500 ML
LC1147-G1L	Glass	1 Litre

Cat No.	Package	Size
LC1147-G2.5L	Glass	2.5 Litre
LC1147-G4L	Glass	4 Litre

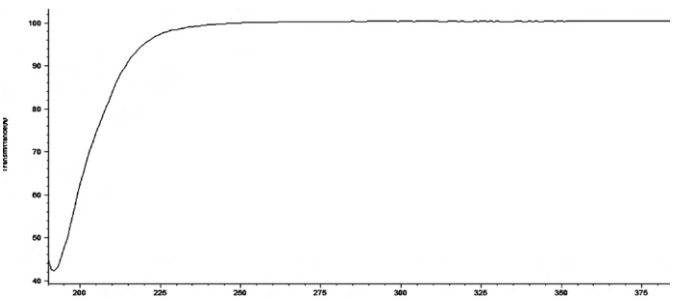
Petroleum Ether 40 - 60, HPLC Plus — LC1305

Specifications

Appearance	Clear and colorless liquid	
Identity (IR)	Passes test	
Color (APHA)	10	max.
Water (by Coulometry)	0.01%	max.
Acidity (mEq./g.)	0.0005	max.
Residue on Evaporation	0.0005%	max.
Sulfur Compounds (S)	0.002%	max.
UV Transmission Levels (%T)		
250 nm	99%	min.
240 nm	98%	min.
230 nm	90%	min.
220 nm	80%	min.
210 nm	60%	min.

Silicone oil	Free	
DOP	Free	
Amide	Free	

Product passed through 0.2 micron final filter.



Cat No.	Package	Size
LC1305-G500ML	Glass	500 ML
LC1305-G1L	Glass	1 Litre

Cat No.	Package	Size
LC1305-G2.5L	Glass	2.5 Litre
LC1305-G4L	Glass	4 Litre

Petroleum Ether 60 - 80

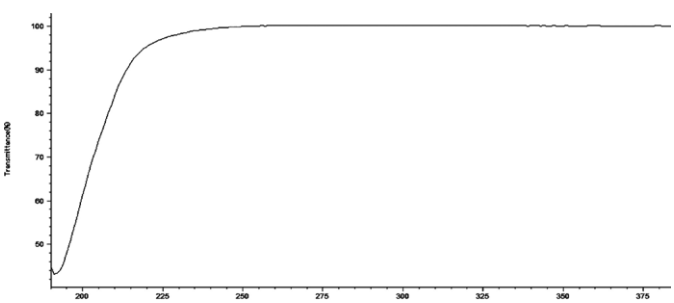
CAS-No.	64742-49-0	Boiling Point	60-80 °C
Density 1 L	0.680 Kg.		

Petroleum Ether 60 - 80, HPLC — LC1148

Specifications

Appearance	Clear and colorless liquid	
Identity (IR)	Passes test	
Color (APHA)	10	max.
Water (by Coulometry)	0.02%	max.
Acidity (mEq./g.)	0.0005	max.
Residue on Evaporation	0.0005%	max.
Sulfur Compounds (S)	0.002%	max.
UV Transmission Levels (%T)		
250 nm	99%	min.
240 nm	98%	min.
230 nm	90%	min.
220 nm	80%	min.
210 nm	60%	min.

Product passed through 0.2 micron final filter.



Cat No.	Package	Size
LC1148-G500ML	Glass	500 ML
LC1148-G1L	Glass	1 Litre

Cat No.	Package	Size
LC1148-G2.5L	Glass	2.5 Litre
LC1148-G4L	Glass	4 Litre

Propan-1-ol

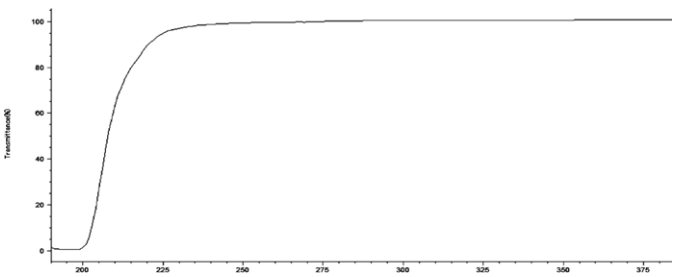
$CH_3CH_2CH_2OH$	FW. 60.10	Melting Point	-127	°C
CAS-No.	71-23-8	Boiling Point	97	°C
Density 1 L	0.804 Kg.			

Propan-1-ol, HPLC — LC1161

Specifications

Assay (by GC.)	99.8%	min.
Appearance	Clear and colorless liquid	
Identity (IR)	Passes test	
Color (APHA)	10	max.
Water (by Coulometry)	0.02%	max.
Acidity (mEq./g.)	0.0002	max.
Alkalinity (mEq./g.)	0.0002	max.
Residue on Evaporation	0.0002%	max.
UV Transmission Levels (%T)		
300 nm	99%	min.
270 nm	98%	min.
250 nm	90%	min.
240 nm	80%	min.
230 nm	70%	min.
Fluorescence (as quinine)		
at 365 nm	1	ppb max.

Product passed through 0.2 micron final filter.



Cat No.	Package	Size
LC1161-G500ML	Glass	500 ML
LC1161-G1L	Glass	1 Litre
LC1161-G2.5L	Glass	2.5 Litre
LC1161-G4L	Glass	4 Litre

Propan-2-ol

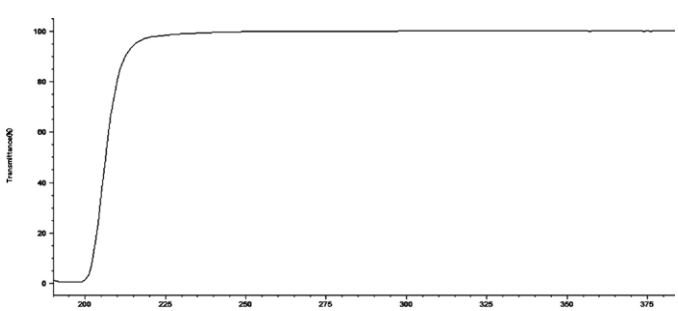
$(CH_3)_2CHOH$	FW. 60.10	Melting Point	-89.5	°C
CAS-No.	67-63-0	Boiling Point	82.4	°C
Density 1 L	0.786 Kg.			

Propan-2-ol, HPLC — LC1162

Specifications

Assay (by GC.)	99.9%	min.
Appearance	Clear and colorless liquid	
Identity (IR)	Passes test	
Color (APHA)	10	max.
Water (by Coulometry)	0.03%	max.
Acidity (mEq./g.)	0.0005	max.
Alkalinity (mEq./g.)	0.0002	max.
Residue on Evaporation	0.0003%	max.
Carbonyl Compounds (as propionaldehyde or acetone)	0.002%	max.
Solubility in water	Passes test	
UV Transmission Levels (%T)		
250 nm	99%	min.
240 nm	98%	min.
230 nm	80%	min.
220 nm	60%	min.
210 nm	40%	min.
Fluorescence (as quinine)		
at 254 nm	1	ppb max.
at 365 nm	1	ppb max.

Product passed through 0.2 micron final filter.



Cat No.	Package	Size
LC1162-G500ML	Glass	500 ML
LC1162-G1L	Glass	1 Litre
LC1162-G2.5L	Glass	2.5 Litre
LC1162-G4L	Glass	4 Litre

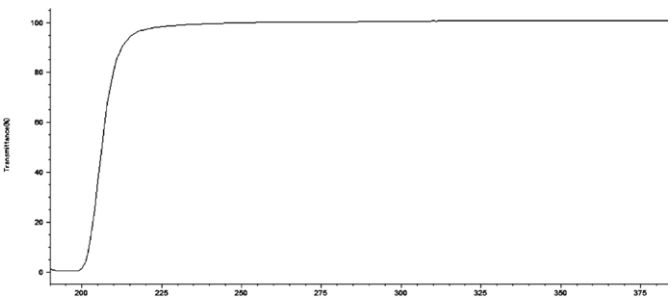
Propan-2-ol, HPLC Plus — LC1163

Specifications

Assay (by GC.)	99.9%	min.
Appearance	Clear and colorless liquid	
Identity (IR)	Passes test	
Color (APHA)	10	max.
Water (by Coulometry)	0.03%	max.
Acidity (mEq./g.)	0.0005	max.
Alkalinity (mEq./g.)	0.0002	max.
Residue on Evaporation	0.0003%	max.
Carbonyl Compounds (as propionaldehyde or acetone)	0.002%	max.
Solubility in water	Passes test	
UV Transmission Levels (%T)		
250 nm	99%	min.
240 nm	98%	min.
230 nm	80%	min.
220 nm	60%	min.
210 nm	40%	min.

Fluorescence (as quinine)		
at 254 nm	1	ppb max.
at 365 nm	1	ppb max.
Silicone oil	Free	
DOP	Free	
Amide	Free	

Product passed through 0.2 micron final filter.



Cat No.	Package	Size
LC1163-G500ML	Glass	500 ML
LC1163-G1L	Glass	1 Litre

Cat No.	Package	Size
LC1163-G2.5L	Glass	2.5 Litre
LC1163-G4L	Glass	4 Litre

Tetrahydrofuran

C_4H_8O	FW. 72.11	Melting Point	-108.5 °C
CAS-No.	109-99-9	Boiling Point	65-66 °C
Density 1 L	0.890 Kg.		

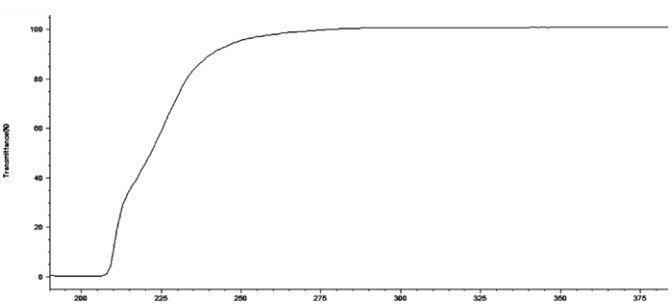
Tetrahydrofuran, HPLC — LC1200

Specifications

Assay (by GC.)	99.9%	min.
Appearance	Clear and colorless liquid	
Identity (IR)	Passes test	
Color (APHA)	10	max.
Water (by Coulometry)	0.02%	max.
Acidity (mEq./g.)	0.0002	max.
Alkalinity (mEq./g.)	0.0002	max.
Residue on Evaporation	0.0001%	max.
Peroxide (as H_2O_2) (at the time of manufacturing)	0.005%	max.
UV Transmission Levels (%T)		
280 nm	99%	min.
250 nm	80%	min.
240 nm	70%	min.
230 nm	35%	min.
218 nm	30%	min.

Fluorescence (as quinine)		
at 254 nm	1	ppb max.
at 365 nm	1	ppb max.

Product passed through 0.2 micron final filter.



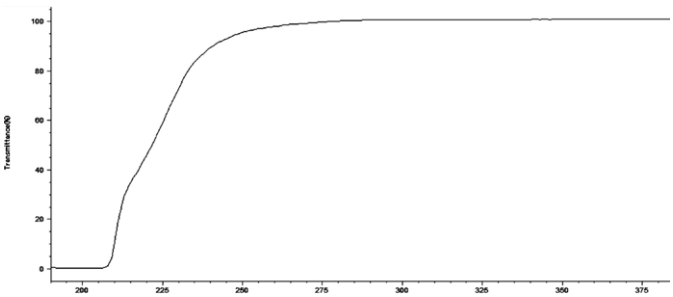
Cat No.	Package	Size
LC1200-G500ML	Glass	500 ML
LC1200-G1L	Glass	1 Litre

Cat No.	Package	Size
LC1200-G2.5L	Glass	2.5 Litre
LC1200-G4L	Glass	4 Litre

Tetrahydrofuran, HPLC — LC1203B

Specifications

Assay (by GC.)	99.9%	min.
Appearance	Clear and colorless liquid	
Identity (IR)	Passes test	
Color (APHA)	10	max.
Water (by Coulometry)	0.02%	max.
Acidity (mEq./g.)	0.0005	max.
Alkalinity (mEq./g.)	0.0002	max.
Residue on Evaporation	0.001%	max.
Peroxide (as H_2O_2) (at the time of manufacturing)	0.005%	max.



Stabilized with about 250 ppm BHT.

Product passed through 0.2 micron final filter.

Cat No.	Package	Size
LC1203B-G500ML	Glass	500 ML
LC1203B-G1L	Glass	1 Litre

Cat No.	Package	Size
LC1203B-G2.5L	Glass	2.5 Litre
LC1203B-G4L	Glass	4 Litre

Toluene

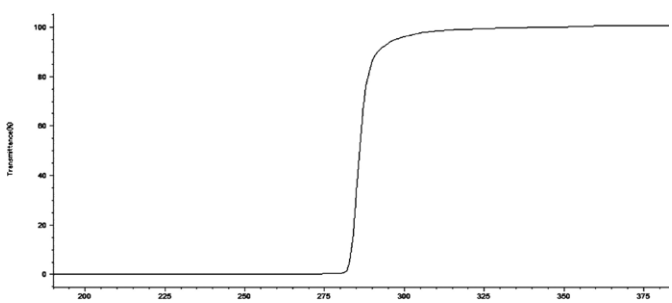
$C_6H_5CH_3$	FW. 92.14	Melting Point	-95 °C
CAS-No.	108-88-3	Boiling Point	110.6 °C
Density 1 L	0.870 Kg.		

Toluene, HPLC — LC1347

Specifications

Assay (by GC.)	99.8%	min.
Appearance	Clear and colorless liquid	
Identity (IR)	Passes test	
Color (APHA)	10	max.
Water (by Coulometry)	0.01%	max.
Acidity (mEq./g.)	0.0002	max.
Alkalinity (mEq./g.)	0.0004	max.
Residue on Evaporation	0.0005%	max.
Sulfur Compounds (S)	0.003%	max.
Substances darkened by sulfuric acid	Passes test	
UV Transmission Levels (%T)		
350 nm	99%	min.
330 nm	98%	min.
310 nm	90%	min.
300 nm	80%	min.
290 nm	50%	min.
Fluorescence (as quinine)		
at 365 nm	2	ppb max.

Product passed through 0.2 micron final filter.



Cat No.	Package	Size
LC1347-G500ML	Glass	500 ML
LC1347-G1L	Glass	1 Litre

Cat No.	Package	Size
LC1347-G2.5L	Glass	2.5 Litre
LC1347-G4L	Glass	4 Litre

Trichloroethylene

Cl_2CCHCl	FW. 131.79	Melting Point	- 86 °C
CAS-No.	79-01-6	Boiling Point	87 °C
Density 1 L	1.460 Kg.		

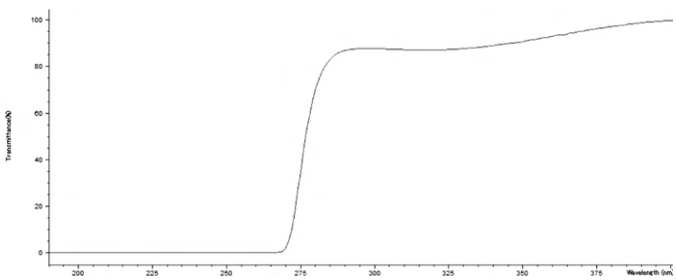
Trichloroethylene, HPLC — LC1205

Specifications

Assay (by GC.)	99.8%	min.
Appearance	Clear and colorless liquid	
Identity (IR)	Passes test	
Color (APHA)	10	max.
Water (by Coulometry)	0.01%	max.
Acidity (mEq./g.)	0.0005	max.
Residue on Evaporation	0.0005%	max.
UV Transmission Levels (%T)		
400 nm	98%	min.
350 nm	85%	min.
320 nm	80%	min.
300 nm	70%	min.
280 nm	50%	min.

Fluorescence (as quinine)		
at 365 nm	1	ppb max.

Product passed through 0.2 micron final filter.



Cat No.	Package	Size
LC1205-G500ML	Glass	500 ML
LC1205-G1L	Glass	1 Litre

Cat No.	Package	Size
LC1205-G2.5L	Glass	2.5 Litre
LC1205-G4L	Glass	4 Litre

2,2,4-Trimethylpentane

$(CH_3)_2CHCH_2C(CH_3)_3$	FW. 114.23	Melting Point	-107	℃
CAS-No.	540-84-1	Boiling Point	99	℃
Density 1 L	0.690 Kg.			

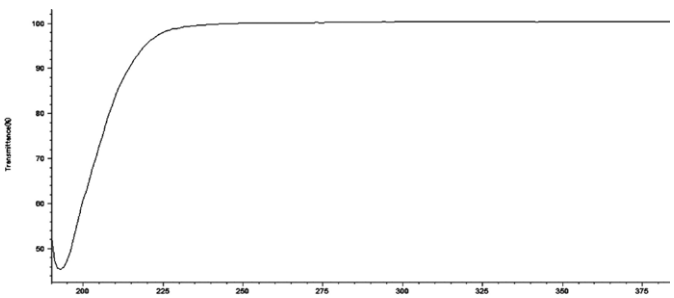
2,2,4-Trimethylpentane, HPLC — LC1206

Specifications

Assay (by GC.)	99.5%	min.
Appearance	Clear and colorless liquid	
Identity (IR)	Passes test	
Color (APHA)	10	max.
Water (by Coulometry)	0.01%	max.
Acidity (mEq./g.)	0.0002	max.
Alkalinity (mEq./g.)	0.0002	max.
Residue on Evaporation	0.0002%	max.
Sulfur Compounds (S)	0.005%	max.
UV Transmission Levels (%T)		
250 nm	99%	min.
240 nm	98%	min.
230 nm	95%	min.
220 nm	80%	min.
210 nm	50%	min.

Fluorescence (as quinine)		
at 365 nm	1	ppb max.

Product passed through 0.2 micron final filter.



Cat No.	Package	Size
LC1206-G500ML	Glass	500 ML
LC1206-G1L	Glass	1 Litre

Cat No.	Package	Size
LC1206-G2.5L	Glass	2.5 Litre
LC1206-G4L	Glass	4 Litre

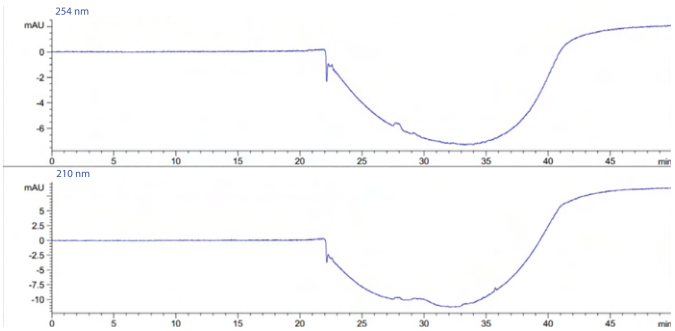
Water

H_2O	FW. 18.02	Melting Point	0 °C
CAS-No.	7732-18-5	Boiling Point	100 °C
Density 1 L	1.000 Kg.		

Water, HPLC — LC1210

Specifications

Appearance	Clear and colorless liquid	
Residue on Evaporation	0.0005%	max.
Conductivity (at the time of manufacturing), µS/cm	1	max.
Gradient Specification 254 nm		
Largest peak	1	mAU max.
Fluorescence (as quinine)		
at 254 nm	1	ppb max.
at 365 nm	0.5	ppb max.

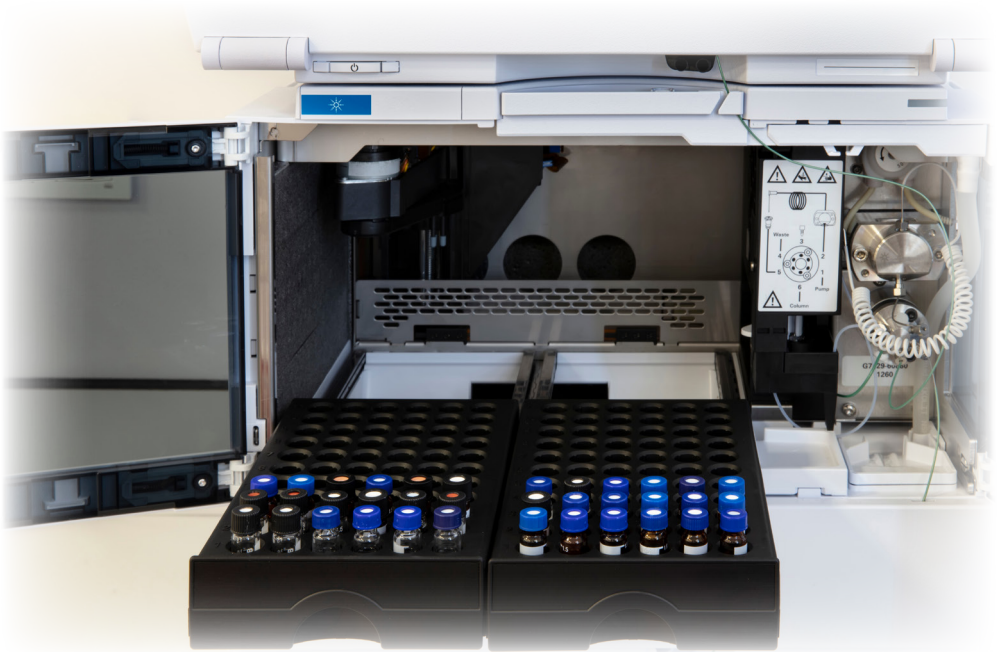


Determined by a 40 ml sample enrichment of C18 column followed by a gradient from 100% water to 100% acetonitrile at a rate of 5% per minute and a flow rate of 1 ml/ min.

Product passed through 0.2 micron final filter.

Cat No.	Package	Size
LC1210-G500ML	Glass	500 ML
LC1210-G1L	Glass	1 Litre

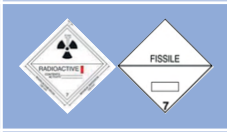
Cat No.	Package	Size
LC1210-G2.5L	Glass	2.5 Litre
LC1210-G4L	Glass	4 Litre



HAZARDOUS TRANSPORTATION AND HANDLING CONCERNS

Hazardous materials are classified by the tariff system. It is important for international shipment of hazardous materials. It is shown in IMDG code (International Maritime Organization of the UN). Transportation of dangerous Substances as following according to Recommendation on the Transport of Dangerous Goods, Model Regulation, Sixteenth revised edition, United Nations.

No.	CLASS	Division	Pictogram
1	Explosive substances or articles	1.1 Substance and article which have a mass explosion hazard	
		1.2 Substances and articles which have a projection hazard but not a mass explosion hazard	
		1.3 Substance and article which have a fire hazard and either a minor 6 post hazard or a minor projection hazard or both, but not a mass explosion hazard	
		1.4 Substance and article which present no significant hazard	
		1.5 Very insensitive substances which have a mass explosion hazard	
		1.6 Extremely insensitive articles which do not have a mass explosion hazard	
2	Gases	2.1) Flammable gases	
		2.2) Non-flammable,non-toxic gases	
		2.3) Toxic gases	
3	Flammable liquids		

No.	CLASS	Division	Pictogram
4	Flammable solids; substances liable to spontaneous combustion; substances which, on contact with water, emit flammable gases	4.1) Flammable solid, self-reactive substances, solid desensitized explosives and polymerizing substances	
		4.2) Substances liable to spontaneous combustion	
		4.3) Substances which,in contact with water,emit flammable gases	
5	Oxidizing substances and organic peroxides	5.1) Oxidizing substances	
		5.2) Organic peroxides	
6	Toxic an infectious substances	6.1) Toxic substances	
		6.2) Infectious substances	
7	Radioactive material		
8	Corrosive substances		
9	Miscellaneous dangerous substances and articles,including environmentally hazardous substances		

The GHS
Hazard Grouping

The Physical Hazard

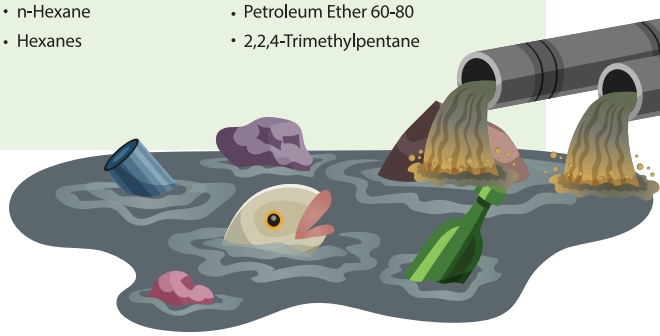
GHS signs	Description	Product Samples
 Flammable	• Self-Reactive Substances • Pyrophorics (Liquids, Solids) • Self-Heating Substances • Organic Peroxides • Desensitized Explosives • Flammables (Gases, Aerosols, Liquids and Solids) • Substances which no contact with Water Emit • Flammable Gases	• Acetic Acid Glacial • Acetone • Acetonitrile • Butan-1-ol • n-Butyl Acetate • 1-Chlorobutane • Cyclohexane • 1,2-Dichloroethane • Diethyl Ether • Dimethylformamide • 1,4-Dioxan • Ethanol • Ethyl Acetate • n-Heptane • n-Hexane • Hexanes • Methanol • Methyl-t-Butyl Ether • Methyl Ethyl Ketone • n-Pentane • Petroleum Ether 40-60 • Petroleum Ether 60-80 • Propan-1-ol • Propan-2-ol • Tetrahyfuran • Toluene • 2,2,4-Trimethylpentane
 Oxidizing	• Oxidizing (Gases, Liquids, Solids)	-
 Corrosive	• Substances Corrosive to Metal	• Acetic Acid Glacial
 Explosive	• Explosives • Self-Reactive Substances • Organic Peroxides	-
 Compressed gas	• Gases Under Pressure	-

The Health Hazard

GHS signs	Description	Product Samples
 Human Health	• Germ Cell Mutagenicity • Carcinogenicity • Toxic to Reproduction • Aspiration Toxicity • Specific Target Organ/Systemic Toxicity - Single Exposure • Specific Target Organ/Systemic Toxicity - Repeated Exposure	• Chloroform • Cyclohexane • 1,2-Dichloroethane • Dichloromethane • Dimethylacetamide • Dimethylformamide • 1,4-Dioxan • n-Heptane • n-Hexane • Hexanes • Methanol • n-Methyl-2-Pyrrollidone • n-Pentane • Petroleum Ether 40-60 • Petroleum Ether 60-80 • Tetrahydrofuran • Toluene • Trichloroethylene • 2,2,4-Trimethylpentane
 Hazardous	• Acute Toxicity (Low) • Eye Irritation • Respiratory or Skin Sensitization	• Acetone • Acetonitrile • Butan-1-ol • n-Butyl Acetate • Cyclohexane • Dichloromethane • Diethyl Ether • Dimethylacetamide • Dimethylformamide • 1,4-Dioxan • Ethanol • Ethyl Acetate • n-Heptane • n-Hexane • Hexanes • Methyl Ethyl Ketone • n-Methyl-2-Pyrrolidone • Methyl-t-Butyl Ether • Propan-1-ol • Propan-2-ol • n-Pentane • Petroleum Ether 40-60 • Petroleum Ether 60-80 • Tetrahydrofuran • Toluene • Trichloroethylene • 2,2,4-Trimethylpentane
 Corrosive	• Skin Corrosive/Irritation • Serious Eye Damage/Eye Irritation	• Acetic Acid Glacial • Butan-1-ol • Propan-1-ol
 Toxic	• Acute Toxicity (High)	• Chlorofrom • 1,2-Dichloroethane • Methanol

The Environmental Hazard

GHS signs	Description	Product Samples
 Environmental Hazard	• Hazardous to the Aquatic Environment • Hazardous to the Ozone Layer	• Cyclohexane • n-Heptane • n-Hexane • Hexanes • n-Pentane • Petroleum Ether 40-60 • Petroleum Ether 60-80 • 2,2,4-Trimethylpentane



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