



Certificate of Analysis.

Acetonitrile, ChromSolv™ for LC-MS.

Product Code:	BS10202.
Description:	Acetonitrile, ChromSolv™ for LC-MS.
Chemical Name:	Ethyl nitrile, Methyl cyanide, Cyanomethane.
Pack:	4 lit.
CAS NO.:	75-05-8.
Mol. Weight:	41.05 g/mol.
Mol. Formula:	CH₃CN.
MDL Number:	MFCD00001878.
Solubility:	Miscible in water.
Density:	0.786 g/cm³.
Melting Point:	-46 to -44°C.
Boiling Point:	81.3 to 82.1°C.
Autoignition Temperature:	523°C.
Viscosity:	0.343 mPa s at 25°C.
Appearance:	Clear colourless liquid.
Colour:	≤ 10 Hazen.
Acidity	≤ 0.008 meq/g.
Alkalinity:	≤ 0.0006 meq/g.
Moisture Content (KF):	0.001% w/w.
Residue after evaporation:	<0.0001% w/w.
UV transmission at 191 nm:	min. 25%.
UV transmission at 195 nm:	min. 85%.
UV transmission at 200 nm:	min. 93%.
UV transmission at 210 nm:	min. 96%.
UV transmission at 225 nm:	min. 97%.
UV transmission at 240 nm:	min. 99%.
Identity (IR):	Confirms.
Aluminium (Al):	≤ 10 ppb.
Barium (Ba):	≤ 5 ppb.
Cadmium (Cd):	≤ 5 ppb.
Calcium (Ca):	≤ 10 ppb.
Chromium (Cr):	≤ 5 ppb.
Cobalt (Co):	≤ 5 ppb.
Copper (Cu):	≤ 5 ppb.
Iron (Fe):	≤ 10 ppb.
Lead (Pb):	≤ 5 ppb.
Potassium(K):	≤ 5 ppb.
Magnesium (Mg):	≤ 10 ppb.



Nickel (Ni):	≤ 5 ppb.
Silver (Ag):	≤ 5 ppb.
Tin (Sn):	≤ 5 ppb.
Zinc (Zn):	≤ 10 ppb.
Sodium (Na):	≤ 50 ppb.
Fluorescence (as quinine at 254 nm):	≤ 1.0 ppb.
Fluorescence (as quinine at 365 nm):	≤ 0.5 ppb.
LC Gradient Suitability at 254 and 210 nm:	Passes Test.
Suitable for LC-MS; Intensity of background mass peak based on reserpine (positive mode):	≤ 2 ppb.
Suitable for LC-MS; Intensity of background mass peak based on reserpine (negative mode):	≤ 20 ppb.
Storage:	Store in a cool, dry well-ventilated location.
LOT NO.:	Sample.
Manufacture Date:	Lot specific.
Expiry Date:	5 years.
Purity (GC):	99.9%.

Please Note: -

- Filtered by 0.1 µm filter.
- This material is only for laboratory purpose and not for human consumption.

Prepared by.
Navaneetha. D.
Chemist.

Reviewed by.
Sai Kumar. N.
Sr Chemist.

