

Product Specification

Product Name:

Acetonitrile PurSol^v Ultra Plus for LC-MS, tested for UHPLC-MS

Product No.: PSR49124
Brand: PureSynth
CAS No.: 75-05-8
Molecular Formula: C₂H₃N
Molecular Weight: 41.05 g/mol



Test	Specification
Appearance	Colorless Liquid
Titer (water equivalent)	≥ 99.9 %
Number of samples	NMT 0.01 %
Suitability (for KF-titration)	NMT 0.001 %
Appearance	NMT 0.0001 %
Assay (By GC)	NMT 20.0 ppb
Water (By KF)	NMT 50.0 ppb
Free acid (as CH ₃ COOH)	NMT 20.0 ppb
Free alkali (as NH ₃)	NMT 50.0 ppb
Aluminium (Al)	NMT 20.0 ppb
Calcium (Ca)	NMT 50.0 ppb
Iron (Fe)	NMT 20.0 ppb
Potassium (K)	≥ 30.0 %
Magnesium (Mg)	≥ 85.0 %
Sodium (Na)	≥ 97.0 %
Lead (Pb)	≥ 98.0 %
Transmittance (@191 nm)	≥ 99.0 %
Transmittance (@195 nm)	NMT 3.0 mAU
Transmittance (@200 nm)	NMT 0.6 mAU
Transmittance (@215 nm)	NMT 8.0 mAU
Transmittance from (230 nm)	NMT 2.0 mAU
UHPLC-gradient drift (254 nm)	≥ 97.0 %
UHPLC-gradient peak (254 nm)	≥ 98.0 %
UHPLC-gradient drift (210 nm)	≥ 99.0 %
Suitability for the UHPLC-MS	Colorless Liquid
Fluorescence (chinin) (@254 nm)	NMT 0.5 ppb
Fluorescence (chinin) (@365 nm)	NMT 0.5 ppb

Specification: PSUP-1.0-QA/01

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For queries on this Specifications, please contact our technical team at technical@pure-synth.com