TEDIA®
High Purity Solvents

1000 Tedia Way
Fairfield OH 45011 USA
T 513.874.5340
F 513.874.5346

Specifications

Name: Acetonitrile
Catalog No: AA1121-001
Grade: Absolv

Test Name	Limits
Assay (by GC-FID)	
(Corrected for Water)	Min 99.9 %
Color	Max 5 APHA
Fluorescence at emission maximum for Impurities at	
254 nm	Max 1 ppb
GC-ECD Responsive residue (single peak)	
(as Heptachlorepoxide)	Max 10 ppt
GC-FID Responsive residue (single peak)	
(as 2-Octanol)	Max 5 ppb
LC gradient elution suitability at	
210 nm	Max 3 mAU
254 nm	Max 0.5 mAU
Residue after Evaporation	Max 1 ppm
Titrable Acid	Max 0.008 meq/g
Titrable Base	Max 0.0006 meq/g
Water	
(by KF coulometry)	Max 0.01 %
Optical Absorbance at	
190 nm	Max 1.00 AU
195 nm	Max 0.14 AU
200 nm	Max 0.05 AU
210 nm	Max 0.04 AU
220 nm	Max 0.02 AU
230 nm	Max 0.01 AU
254 nm	Max 0.005 AU
400 nm	Max 0.005 AU
LC-MS Positive mode	
(as Reserpine)	Max 50 ppb
LC-MS Negative mode	
(as Nitrophenol)	Max 50 ppb
Aluminum (Al)	Max 0.5 ppm
Barium (Ba)	Max 0.1 ppm
Cadmium (Cd)	Max 0.5 ppm
Calcium (Ca)	Max 0.1 ppm
Chromium (Cr)	Max 0.02 ppm
Cobalt (Co)	Max 0.02 ppm
Copper (Cu)	Max 0.01 ppm
Iron (Fe)	Max 0.1 ppm

4/26/2024
Form Number : FN-012
Revision Date: 06-01-2016

TEDIA COMPANY, INC. ISO 9001:2015 QUALITY SYSTEMS

Clear focus. Consistent results. Complete confidence.

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Test Name	Limits
Lead (Pb)	Max 0.02 ppm
Magnesium (Mg)	Max 0.1 ppm
Manganese (Mn)	Max 0.01 ppm
Nickel (Ni)	Max 0.02 ppm
Potassium (K)	Max 0.1 ppm
Silver (Ag)	Max 0.1 ppm
Sodium (Na)	Max 0.1 ppm
Tin (Sn)	Max 0.1 ppm
Zinc (Zn)	Max 0.1 ppm
Comments:	
Metal results are at time of packaging	Comment
and may increase from extraction from the container.	Comment

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