

## Specifications

Name: Acetonitrile  
Catalog No: AA1120-048  
Grade: Absolv

<u>Test Name</u>	<u>Limits</u>
Description	Passes Test
Clear colorless liquid free of suspended matter	
Assay (by GC-FID)	Min 99.97 %
(Corrected for Water)	Max 0
Number of Unidentified Peaks > 0.02% Area	Max 5 APHA
Color	
Fluorescence at emission maximum for Impurities at 250 nm	Max 1.0 ppb
Identification by	
IR Spectroscopy	Passes Test
LC gradient elution suitability at	
210 nm	Max 3 mAU
210 nm	Passes Test
254 nm	Max 0.3 mAU
254 nm	Passes Test
GC-ECD Responsive residue (single peak)	
(as Heptachlorepoxide)	Max 5 ppt
GC-FID Responsive residue (single peak)	
(as 2-Octanol)	Max 5 ppb
Odor	Passes Test
Residue after Evaporation	Max 1 mg/L
Titration Acid	Max 0.001 meq/g
Acidity	
(as Acetic acid)	Max 0.001 %
Alkalinity	
(as Ammonia)	Max 0.0001 %
Titration Base	Max 0.0001 meq/g
Water	
(by KF coulometry)	Max 0.01 %
UV cut-off	Max 190 nm
Optical Absorbance at	
254-400 nm	Max 0.005 AU
190 nm	Max 1.000 AU
195 nm	Max 0.140 AU
200 nm	Max 0.050 AU
205 nm	Max 0.050 AU
210 nm	Max 0.03 AU
215 nm	Max 0.15 AU

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### Test Name

220 nm  
225 nm  
230 nm  
235 nm  
250 nm  
254 nm  
270 nm  
280 nm  
350 nm  
400 nm

### Limits

Max 0.01 AU  
Max 0.010 AU  
Max 0.010 AU  
Max 0.005 AU  
Max 0.005 AU  
Max 0.005 AU  
Max 0.005 AU  
Max 0.010 AU  
Max 0.005 AU  
Max 0.005 AU