



# ChemPure\* Brand Chemicals

May 16, 2018  
Doc:COA9720

## Certificate of Analysis

...Pure Quality

Chemical Name: **Acetonitrile, ACS**

Synonyms: Cyanomethane, Ethyl nitrile, Methanecarbonitrile, Methyl cyanide

**CHEMICAL FORMULA:** C<sub>2</sub>H<sub>3</sub>N  
**CAS No:** 75-05-8  
**Density:** 0.786 g/cm<sup>3</sup>  
**Vapor Pressure:** 9.71 kPa (at 20.0 °C)  
**MP:** -46 to -44 °C  
**Grade:** ACS  
**F.W.:** 41.05 g/mol  
**Solubility:** In water-miscible

**Product Code:** CP T9720  
**UN Code:** 1648  
**Package Group:** III  
**Storage:** Room Temp, Flammable  
**EC Number:** 200-835-2  
**MDL Number:** MFCD00001878  
**Recommended Retest Date\*:** May 1, 2021

Lot No. 18050198

This is to certify that this lot was tested and found to comply with the specifications for the product. The following are the actual analytical results obtained.

### Test Name

Description  
 Clear colorless liquid free of suspended matter  
 Assay (by GC-FID)  
 (Corrected for Water)  
 Color  
 Residue after evaporation  
 Titrable acid  
 Titrable base  
 Water  
 (by KF coulometry)  
 Identification by  
 IR Spectroscopy

### Limits

### Actual

<u>Limits</u>	<u>Actual</u>
Passes Test	Passes
Min 99.5 %	99.98 %
Max 10 APHA	< 5 APHA
Max 0.005 %	0.00005 %
Max 0.008 meq/g	0.0005 meq/g
Max 0.0006 meq/g	0.00003 meq/g
Max 0.3 %	0.003 %
Passes Test	Passes

Sherwin M Kane  
Chemist

Vyto Mekesa  
QC Director

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