

## PRODUCT SPECIFICATION

Product Description	Acetonitrile
Grade	HPLC
Product Code	ACN010-2.5, ACN010-4.0
Synonyms	Methyl Cyanide, Cyanomethane, Ethanenitrile
Molecular Formula	C <sub>2</sub> H <sub>3</sub> N
CAS Number	75-05-8

Test	Test Method	Specification	Unit
Purity Assay (GC)	LQP-22-SOP-T006	≥ 99.9	%
Water Content	ASTM E1064	≤ 0.04	%
Acidity	LQP-22-SOP-T001	≤ 0.0001	meq/g
Alkalinity	LQP-22-SOP-T007	≤ 0.0002	meq/g
Non-Volatile Matter	LQP-22-SOP-T004	≤ 0.2	mg/100mL
Density (at 20°C)	ASTM D4052	0.779 – 0.783	g/cm <sup>3</sup>
UV Absorbance	LQP-22-SOP-T005		
190 nm		≤ 1.000	a.u.
195 nm		≤ 0.150	a.u.
200 nm		≤ 0.100	a.u.
205 nm		≤ 0.050	a.u.
210 nm		≤ 0.050	a.u.
220 nm		≤ 0.030	a.u.
254 nm		≤ 0.010	a.u.
Solubility in water	ASTM D1722	Pass	-
Appearance	LQP-22-SOP-M001	Clear	-

Notes: 1) Product filtered through a 0.2 micron filter.

Date 23/12/2020  
Revision R3