Product Specification Sheet

Pristine® Methanol, LC-MS Grade

Product Number: 1935-5

Product Information	
Formula	CH_3OH
Molecular Weight	32.04
Grade	LC-MS
CAS Number	67-56-1
Beilstein/REAXYS Number	1098229
EC Number	200-659-6
MDL number	MFCD00004595
UNSPSC Code	12191502
Exp. Date after Mfg. Date	3 years
Test Method	ACS 11th Edition

Specifications	
Meets ACS Specification	Yes
Appearance (color)	Colorless
Form	Liquid
Purity (GC area %)	Min 99.9%
Assay (by GC)	Min 99.9 %
Color (APHA)	Max 10
Water	Max 0.03 %
Residue after evaporation	Max 1 ppm
Ultraviolet Spectrophotometry	
UV Absorbance 220 nm	Max 0.25
UV Absorbance 230 nm	Max 0.15
UV Absorbance 233 nm	Max 0.02
UV Absorbance 235 nm	Max 0.01
Gradient Elution Test	

Largest eluted peak (254nm)	Max 2 mAU
Fluorescence Trace Impurities	
at 450nm Emission	Max 0.3 ppb
at Emission Max for impurities	Max 0.5 ppb
Physical Properties	
Vapor Pressure	128 hPa (20 °C) 410 mmHg (50 °C) 97.68 mmHg (20 °C)
Vapor Density	1.11 (vs air)
Boiling Point	64.7 °C (lit.)
Melting Point	−98 °C (lit.)
Density	0.791 g/mL at 25 °C (lit.)
Autoignition Temperature	725 °F
Explosion Limit	36 %
Refractive Index	n20/D 1.329 (lit.)