Product Specification Sheet

Pristine® Methanol, HPLC

Product Number: 1915-5

Product Information	
Formula	CH_3OH
Molecular Weight	32.04
Grade	HPLC
CAS Number	67-56-1
Beilstein/REAXYS Number	1098229
EC Number	200-659-6
MDL number	MFCD00004595
UNSPSC Code	41116105
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 0.05 %**
Residue after evaporation	**Max 1 ppm**
Titratable Acid	**Max 0.0003 mEq/g**
Titratable Base	**Max 0.0002 mEq/g**
Carbonyl Compounds (each of Acetone,	**0.001**
Ultraviolet Spectrophotometry	
UV Absorbance 220 nm	**Max 0.25**
UV Absorbance 230 nm	**Max 0.15**
UV Absorbance 254 nm	**Max 0.02**
UV Absorbance 280 nm	**Max 0.01**
UV Cutoff	**Max 205 nm**
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	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	$n_{20/D}$ 1.329 (lit.)