

## CERTIFICATE OF ANALYSIS

PRODUCT NAME: Ethanol,ACS, 99.5% , Water 0.2%

ITEM NUMBER: E111994  
 BRAND: Aladdin  
 CAS NUMBER: 64-17-5  
 MDL NUMBER: MFCD00003568  
 FORMULA: C<sub>2</sub>H<sub>6</sub>O  
 MOLECULAR WEIGHT: 46.07

TEST	SPECIFICATION		TARGET VALUE
	MIN.	MAX.	
Assay	99.5 %	100 %	100 %
Color scale	0	10	10
Evaporation residue	0 mg/L	0.001 mg/L	0.001 mg/L
Methanol(CH <sub>3</sub> OH)	0 %	0.1 %	0.1 %
Potassium permanganatereducing substances	pass		
Solubility in acetone	almost transparency		
Solubility in water	Passes test		
Substances darkened by sulfuric acid	Pass		
Titration acid	0 mg/g OR meq/g 0.0005 mg/g OR		0.0005 mg/g OR meq/g /
Titration base	0 mg/g OR meq/g 0.0002 mg/g OR		0.0002 mg/g OR meq/g /
Water by Karl Fischer	0 %	0.2 %	0.2 %