

CERTIFICATE OF ANALYSIS

PRODUCT NAME: Betaine,98%

ITEM NUMBER: B105554
BRAND: Aladdin
CAS NUMBER: 107-43-7
MDL NUMBER: MFCD00012123
FORMULA: C5H11NO2
MOLECULAR WEIGHT: 117.15

TEST	SPECIFICATION		TARGET VALUE
	MIN.	MAX.	
Ansenic(As)	0 %	0.0002 %	0.0002 %
Appearance	White to Off-White Powder		
Carbon	50.2 %	52.3 %	52.3 %
heavy metals	0 %	0.001 %	0.001 %
Infrared spectrum	Conforms to Structure		
Nitrogen	11.5 %	12.5 %	12.5 %
Proton NMR spectrum	Conforms to Structure		
Purity(Titration by HClO ₄)(calcd.on anh.substance)	97.5 %	102.5 %	102.5 %
Solubility	Colorless to faint yellow,clear(50 mg/mL, H ₂ O)		
Water by Karl Fischer	0 %	2 %	2 %