

CERTIFICATE OF ANALYSIS

PRODUCT NAME: -Aminobutyric acid,99%

ITEM NUMBER: A104200
BRAND: Aladdin
CAS NUMBER: 56-12-2
MDL NUMBER: MFCD00008226
FORMULA: C4H9NO2
MOLECULAR WEIGHT: 103.12

TEST	SPECIFICATION		TARGET VALUE
	MIN.	MAX.	
Appearance	White to Off-White Powder		
Cl	0 ppm	400 ppm	400 ppm
Heavy metals (as Pb)	0 ppm	10 ppm	10 ppm
Infrared spectrum	Conforms to Structure		
Loss on drying	0 %	0.5 %	0.5 %
Melting point	197 ° C	204 ° C	204 ° C
Proton NMR spectrum	Conforms to Structure		
Purity(Titration with HClO4,anhydrous)	98.5 %	101.5 %	100 %
SO4	0 ppm	500 ppm	500 ppm
solubility in water	colorless and clear (50mg/ml)		
Sulfated ash	0 %	0.1 %	0.1 %
Transmittance(C=10, 2 N HCl, 430 nm,1 cm cell)	95 %	100 %	100 %