

## CERTIFICATE OF ANALYSIS

PRODUCT NAME: N-(2-Acetamido)iminodiacetic acid,Ultra Pure, 99.0% (T)

ITEM NUMBER: A108965  
BRAND: Aladdin  
CAS NUMBER: 26239-55-4  
MDL NUMBER: MFCD00008031  
FORMULA: C<sub>6</sub>H<sub>10</sub>N<sub>2</sub>O<sub>5</sub>  
MOLECULAR WEIGHT: 190.15

TEST	SPECIFICATION		TARGET VALUE
	MIN.	MAX.	
Aluminum (Al)	0 ppm	5 ppm	5 ppm
Appearance	White Powder or Crystals		
Arsenic(As)	0 ppm	0.1 ppm	0.1 ppm
Barium (Ba)	0 ppm	5 ppm	5 ppm
Bismuth (Bi)	0 ppm	5 ppm	5 ppm
Cadmium (Cd)	0 ppm	5 ppm	5 ppm
Calcium (Ca)	0 ppm	10 ppm	10 ppm
Chloride(Cl)	0 ppm	1000 ppm	1000 ppm
Chromium (Cr)	0 ppm	5 ppm	5 ppm
Cobalt (Co)	0 ppm	5 ppm	5 ppm
Copper (Cu)	0 ppm	5 ppm	5 ppm
Infrared spectrum	Conforms to Structure		
Iron(Fe)	0 ppm	5 ppm	5 ppm
Lead (Pb)	0 ppm	5 ppm	5 ppm
Lithium (Li)	0 ppm	5 ppm	5 ppm
Loss on drying	0 %	0.5 %	0.5 %
Magnesium(Mg)	0 ppm	5 ppm	5 ppm
Manganese(Mn)	0 ppm	5 ppm	5 ppm
Molybdenum (Mo)	0 ppm	5 ppm	5 ppm

Nickel (Ni)	0 ppm	5 ppm	5 ppm
pH(25 ° C, 0.01 M in H <sub>2</sub> O)	1.5	3	3
Potassium(K)	0 ppm	50 ppm	50 ppm
Purity(neutralization titration)	99 %	101 %	101 %
residue on ignition	0 %	0.1 %	0.1 %
Sodium	0 ppm	500 ppm	500 ppm
Solubility in hot water	Clear, colorless,0.05 M(0.285g in 30ml hot water)		
Strontium (Sr)	0 ppm	5 ppm	5 ppm
sulfate (SO <sub>4</sub> <sup>2-</sup> )	0 ppm	50 ppm	50 ppm
UV absorption A <sub>260</sub> nm(0.05 M in H <sub>2</sub> O)		0.21	0.2
UV absorption A <sub>280</sub> nm(0.05 M in H <sub>2</sub> O)	0	0.05	0.05
Zinc (Zn)	0 ppm	5 ppm	5 ppm