

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing:	2024-06-04 10:30:11
Date of Next Testing:	2028-06-03 10:30:11
Product Name:	<b>Nicotinamide</b>
CAS Number:	98-92-0
Specifications & Purity:	≥99.5%(HPLC)
Lot #:	E2430540
SKU #	<b>N108086</b>
Version	<b>0</b>
<b>Analysis #:</b>	<b>355590</b>
Storage Temperature:	Desiccated

Parameter	Limit Values	Result
Melting point	129-132 (°C)	131.43000 °C
Zinc(Zn)	0-5 (ppm)	0.40 ppm
Calcium(Ca)	0-10 (ppm)	5.20 ppm
Nickel(Ni)	0-5 (ppm)	1.64 ppm
Iron(Fe)	0-5 (ppm)	2.64 ppm
Sodium(Na)	0-50 (ppm)	10.40 ppm
Copper(Cu)	0-5 (ppm)	2.64 ppm
Manganese(Mn)	0-5 (ppm)	1.46 ppm
Purity(HPLC)	99.5-100 (%)	99.85900 %
(Pb)Lead	0-5 (ppm)	3.40 ppm
loss on drying, 20 °C (HV)	0-0.2 (%)	0.00 %
Magnesium(Mg)	0-5 (ppm)	1.40 ppm
Cadmium(Cd)	0-5 (ppm)	2.46 ppm
Cobalt(Co)	0-5 (ppm)	1.24 ppm
Potassium(K)	0-50 (ppm)	11.30 ppm
Chloride (Cl-)	0-50 (ppm)	13.40 ppm
Sulfate(SO42-)	0-50 (ppm)	14.30 ppm
Chromium(Cr)	0-5 (ppm)	1.40 ppm
Ignition Residue (as sulfate)	0-0.2 (%)	0.15 %
Appearance (N108086)	White Powder or Crystals	White Powder or Crystals
Solubility in H2O , colorless and clear (50mg/ml)	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



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A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su  
QA & QC Manager