

Certificate of Analysis

Date of Testing: 2022-09-15 11:23:43
 Date of Next Testing: 2026-09-14 11:23:43
 Product Name: **Nicotinamide**
 CAS Number: 98-92-0
 Specifications & Purity: $\geq 99.5\%$ (HPLC)
 Lot #: I2208522
 SKU #: **N108086**
Analysis: **117439**
 Storage Temperature: Desiccated

Parameter	Limit Values	Result
Melting point	129-132 (°C)	129.10000 °C
Zinc(Zn)	0-5 (ppm)	1.62 ppm
Calcium(Ca)	0-10 (ppm)	3.42 ppm
Nickel(Ni)	0-5 (ppm)	2.06 ppm
Iron(Fe)	0-5 (ppm)	3.05 ppm
Ignition Residue (as sulfate)	0-0.2 (%)	0.03 %
Sodium(Na)	0-50 (ppm)	32.66 ppm
Copper(Cu)	0-5 (ppm)	2.63 ppm
Manganese(Mn)	0-5 (ppm)	3.41 ppm
Purity(HPLC)	99.5-100 (%)	99.69600 %
(Pb)Lead	0-5 (ppm)	4.05 ppm
loss on drying, 20 °C (HV)	0-0.2 (%)	0.10 %
Magnesium(Mg)	0-5 (ppm)	3.04 ppm
Cadmium(Cd)	0-5 (ppm)	2.62 ppm
Cobalt(Co)	0-5 (ppm)	4.08 ppm
Potassium(K)	0-50 (ppm)	38.51 ppm
Chloride (Cl-)	0-50 (ppm)	40.82 ppm
Sulfate(SO42-)	0-50 (ppm)	37.18 ppm
Chromium(Cr)	0-5 (ppm)	3.08 ppm
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H2O , colorless and clear (50mg/ml)	pass	Pass
Appearance (N108086)	White powder or crystals	White Powder or Crystals



ALADDIN SCIENTIFIC CORPORATION

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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