

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-08-18 14:15:57

Date of Next Testing: 2028-08-07 14:15:57

Product Name: **Imidazole**

CAS Number: 288-32-4

Grades & Purity: ≥99.5%, for buffer

Lot #: H2617224

SKU #: **I108704**

Version: **0**

Analysis #: **747904**

Storage Temperature: Room temperature, Argon charged, Desiccated

Parameter	Limit Values	Result
PH(25 °C, 50 mg/mL in Water)	9.5-11	10.11000
Cobalt(Co)	0-5 (ppm)	1.25000 ppm
UV Absorbance 260nm	0-0.1	0.04300
Ignition Residue (as sulfate)	0-0.1 (%)	0.02000 %
(Pb)Lead	0-5 (ppm)	1.95000 ppm
Manganese(Mn)	0-5	1.62500
Magnesium(Mg)	0-5 (ppm)	0.69900 ppm
Melting point	86-92 (°C)	91.51000 °C
Copper(Cu)	0-5 (ppm)	0.55500 ppm
Sulfate(SO42-)	0-50 (ppm)	0.47000 ppm
Chromium(Cr)	0-5 (ppm)	0.74100 ppm
Cadmium(Cd)	0-5 (ppm)	0.62200 ppm
Sodium(Na)	0-50 (ppm)	0.45880 ppm
Chloride (Cl-)	0-50 (ppm)	0.78200 ppm
Calcium(Ca)	0-10 (ppm)	0.55200 ppm
Purity(GC)	99.5-100 (%)	100.00000 %
UV Absorbance 280nm	0-0.1	0.05600
Zinc(Zn)	0-5 (ppm)	0.05858 ppm
Iron(Fe)	0-5 (ppm)	0.14850 ppm
Potassium(K)	0-50 (ppm)	0.56100 ppm
Nickel(Ni)	0-5 (ppm)	1.08400 ppm
Appearance (I108704)	white to off-white powder, crystals and/or chunks	white to off-white powder, crystals and/or chunks
Infrared spectrum	Conforms to Structure	Conforms to Structure

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Parameter	Limit Values	Result
pKa	6.8	6.8
λ , 0.1 M in H ₂ O	Pass	Pass

John Su

John Su
QA & QC Manager