

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-07-09 14:07:42
 Date of Next Testing: 2028-07-08 14:07:42
 Product Name: **Imidazole**
 CAS Number: 288-32-4
 Specifications & Purity: UltraBio™, Ultra pure, ≥99.5%(GC)
 Lot #: G2508143
 SKU #: **I432538**
 Version: **1**
 Analysis #: **445758**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(GC)	99.5-100 (%)	99.90000 %
Water by Karl Fischer	0-0.2 (%)	0.12550 %
Residue on Ignition	0-0.05 (%)	0.00200 %
Aluminium(Al)	0-5 (ppm)	0.00000 ppm
Barium(Ba)	0-5 (ppm)	0.00000 ppm
Bismuth(Bi)	0-5 (ppm)	0.00000 ppm
Calcium(Ca)	0-10 (ppm)	0.00000 ppm
Cadmium(Cd)	0-5 (ppm)	0.00000 ppm
Cobalt(Co)	0-5 (ppm)	0.00000 ppm
Chromium(Cr)	0-5 (ppm)	0.00000 ppm
Copper(Cu)	0-5 (ppm)	0.00000 ppm
Iron(Fe)	0-5 (ppm)	0.00000 ppm
Potassium(K)	0-50 (ppm)	0.00000 ppm
Lithium(Li)	0-5 (ppm)	0.00000 ppm
Magnesium(Mg)	0-5 (ppm)	0.00000 ppm
Manganese(Mn)	0-5 (ppm)	0.00000 ppm
Molybdenum(Mo)	0-5 (ppm)	0.00000 ppm
Sodium(Na)	0-50 (ppm)	0.00000 ppm
Nickel(Ni)	0-5 (ppm)	0.00000 ppm
Lead(Pb)	0-5 (ppm)	0.00000 ppm
Strontium(Sr)	0-5 (ppm)	0.00000 ppm
Zinc(Zn)	0-5 (ppm)	0.00000 ppm
Arsenic traces(MHS-AAS)	0-0.1 (ppm)	0.00000 ppm
Total sulfur as SO ₄ (ICP)	0-50 (ppm)	0.00000 ppm
Chloride (Cl-)	0-50 (ppm)	0.00000 ppm

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Parameter	Limit Values	Result
PH(Solution)	9.5-11	10.01000
Uv-Abs. At 260 nm	0-0.1	0.03000
Uv-Abs. At 280 nm	0-0.1	0.03700
Appearance(I432538)	Colorless or White Powder or Crystals	Colorless or White Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility(method) 0.204g in 30ml H ₂ O(0.1M),clear colorless	Pass	Pass
Residue (filter test)	no residue	no residue



John Su
QA & QC Manager