

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2024-07-31 16:32:03
Date of Next Testing:	2028-07-30 16:32:03
Product Name:	Imidazole
CAS Number:	288-32-4
Specifications & Purity:	99.5%,for Fluorimetric Analysis
Lot #:	G2429103
SKU #	I108705
Version	0
Analysis #:	394361
Storage Temperature:	Desiccated

Parameter	Limit Values	Result
Nickel(Ni)	0-5 (ppm)	0.00 ppm
Potassium(K)	0-50 (ppm)	0.00 ppm
Iron(Fe)	0-5 (ppm)	0.00 ppm
Zinc(Zn)	0-5 (ppm)	0.00 ppm
Purity(GC)	99.5-100 (%)	99.91 %
Calcium(Ca)	0-10 (ppm)	0.00 ppm
Chloride (Cl-)	0-50 (ppm)	0.00 ppm
Sodium(Na)	0-50 (ppm)	0.00 ppm
Cadmium(Cd)	0-5 (ppm)	0.00 ppm
PH	9.5-11	10.28
Ignition Residue (as sulfate)	0-0.05 (%)	0.00 %
Chromium(Cr)	0-5 (ppm)	0.00 ppm
Strontium(Sr)	0-5 (ppm)	0.00 ppm
UV Absorbance 280nm	0-0.1	0.01
Copper(Cu)	0-5 (ppm)	0.00 ppm
UV Absorbance 260nm	0-0.1	0.01
Molybdenum(Mo)	0-5 (ppm)	0.00 ppm
Melting point	86-92 (°C)	90.41000 °C
Magnesium(Mg)	0-5 (ppm)	0.00 ppm
Lithium(Li)	0-5 (ppm)	0.00 ppm
Manganese(Mn)	0-5	0.00
(Pb)Lead	0-5 (ppm)	0.00 ppm
Cobalt(Co)	0-5 (ppm)	0.00 ppm
Water by Karl Fischer	0-0.2 (%)	0.00 %
Sulfate(SO42-)	0-50 (ppm)	0.00 ppm

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Parameter	Limit Values	Result
Appearance (I108705)	White to Off-White Powder	White to Off-White Powder
Fluorescence, λ_{ex} 200-600 nm; λ_{em} 300-800 nm (corresponds)	Conforms	Conforms
Infrared spectrum	Conforms to Structure	Conforms to Structure
Insoluble matter	pass	Pass
pKa	6.8	6.8
λ , 0.1 M in H ₂ O	Pass	Pass

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager