

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

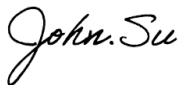
Date of Testing:	2025-04-03 15:47:19
Date of Next Testing:	2027-03-24 15:47:19
Product Name:	Imidazole
CAS Number:	288-32-4
Specifications & Purity:	≥99.5%, for buffer
Lot #:	D2502348
SKU #	I108704
Version	0
Analysis #:	488498
Storage Temperature:	Desiccated

Parameter	Limit Values	Result
PH(25 °C, 50 mg/mL in Water)	9.5-11	10.30
Cobalt(Co)	0-5 (ppm)	0.33 ppm
UV Absorbance 260nm	0-0.01	0.01
Ignition Residue (as sulfate)	0-0.1 (%)	0.02 %
(Pb)Lead	0-5 (ppm)	0.00 ppm
Manganese(Mn)	0-5	0.08
Magnesium(Mg)	0-5 (ppm)	0.00 ppm
Melting point	86-92 (°C)	90.90000 °C
Copper(Cu)	0-5 (ppm)	0.11 ppm
Sulfate(SO42-)	0-50 (ppm)	1.52 ppm
Chromium(Cr)	0-5 (ppm)	0.26 ppm
Cadmium(Cd)	0-5 (ppm)	0.17 ppm
Sodium(Na)	0-50 (ppm)	0.83 ppm
Chloride (Cl-)	0-50 (ppm)	0.11 ppm
Calcium(Ca)	0-10 (ppm)	0.45 ppm
Purity(GC)	99.5-100 (%)	99.77 %
UV Absorbance 280nm	0-0.01	0.01
Zinc(Zn)	0-5 (ppm)	0.22 ppm
Iron(Fe)	0-5 (ppm)	0.61 ppm
Potassium(K)	0-50 (ppm)	1.50 ppm
Nickel(Ni)	0-5 (ppm)	0.19 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

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Parameter	Limit Values	Result
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