

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-12-23 14:57:44

Date of Next Testing: 2027-12-13 14:57:44

Product Name: **Phenol**

CAS Number: 108-95-2

Specifications & Purity: UltraBio™, Suitable for molecular biology, ≥99.5%

Lot #: L2512189

SKU #: **P100769**

Version: **1**

Analysis #: **630605**

Storage Temperature: Store at 2-8°C, Protected from light, Argon charged

Parameter	Limit Values	Result
Iron(Fe)	0-5 (ppm)	0.00000 ppm
Aluminum(Al)	0-5 (ppm)	0.00000 ppm
Cadmium(Cd)	0-5 (ppm)	0.00000 ppm
(As)Arsenic	0-0.1 (ppm)	0.00000 ppm
Bismuth(Bi)	0-5 (ppm)	0.00000 ppm
Calcium(Ca)	0-10 (ppm)	6.00000 ppm
Purity(GC)	99.5-100 (%)	99.69700 %
Lithium(Li)	0-5 (ppm)	1.98700 ppm
Water by Karl Fischer	0-0.5 (%)	0.01480 %
Zinc(Zn)	0-5 (ppm)	0.00000 ppm
(Pb)Lead	0-5 (ppm)	0.00000 ppm
Manganese(Mn)	0-5 (ppm)	0.00000 ppm
Nickel(Ni)	0-5 (ppm)	3.98700 ppm
pH	3-6	4.96870
Barium(Ba)	0-5 (ppm)	2.90400 ppm
Melting point	41-45 (°C)	42.89000 °C
Sulfate(SO42-)	0-50 (ppm)	0.00000 ppm
Potassium(K)	0-50 (ppm)	20.00000 ppm
Chromium(Cr)	0-5 (ppm)	0.00000 ppm
Ignition Residue (as sulfate)	0-0.05 (%)	0.00000 %
Chloride (Cl-)	0-5 (ppm)	0.00000 ppm
Strontium(Sr)	0-5 (ppm)	0.00000 ppm
Copper(Cu)	0-5 (ppm)	3.14700 ppm
Cobalt(Co)	0-5 (ppm)	2.60400 ppm
Sodium(Na)	0-50 (ppm)	0.00000 ppm

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Parameter	Limit Values	Result
Molybdenum(Mo)	0-5 (ppm)	2.99800 ppm
Magnesium(Mg)	0-5 (ppm)	3.12000 ppm
Appearance (P100769)	Clear Crystals	Clear Crystals
DNases	none detected	none detected
Infrared spectrum	Conforms to Structure	Conforms to Structure
Insoluble matter	pass	Pass
phosphatases	none detected	none detected
proteases	none detected	none detected
RNases	none detected	none detected
Solubility(Clear colorless solution at 50 mg/ml in water)	Pass	Pass

A handwritten signature in black ink that reads "John Su".John Su
QA & QC Manager