

Shanghai Aladdin Biochemical Technology Co., LTD
809 Chuhua Branch Road, Fengxian District, Shanghai 201400, China

Certificate of Analysis

Date of Testing: 2025-08-28 17:49:52
Date of Next Testing: 2027-08-18 17:49:52
Product Name: **Phenol**
CAS Number: 108-95-2
Specifications & Purity: UltraBio™, Suitable for molecular biology, ≥99.5%
Lot #: H2515500
SKU #: **P100769**
Version: **1**
Analysis #: **534157**
Storage Temperature: Store at 2-8°C, Protected from light, Argon charged

Parameter	Limit Values	Result
Iron(Fe)	0-5 (ppm)	0.00120 ppm
Aluminum(Al)	0-5 (ppm)	0.00250 ppm
Cadmium(Cd)	0-5 (ppm)	0.00410 ppm
(As)Arsenic	0-0.1 (ppm)	0.01050 ppm
Bismuth(Bi)	0-5 (ppm)	0.20500 ppm
Calcium(Ca)	0-10 (ppm)	0.00000 ppm
Purity(GC)	99.5-100 (%)	99.76500 %
Lithium(Li)	0-5 (ppm)	0.00000 ppm
Water by Karl Fischer	0-0.5 (%)	0.31680 %
Zinc(Zn)	0-5 (ppm)	0.10500 ppm
(Pb)Lead	0-5 (ppm)	0.03200 ppm
Manganese(Mn)	0-5 (ppm)	0.41500 ppm
Nickel(Ni)	0-5 (ppm)	0.00000 ppm
pH	3-6	4.83000
Barium(Ba)	0-5 (ppm)	0.00000 ppm
Melting point	41-45 (°C)	42.96000 °C
Sulfate(SO42-)	0-50 (ppm)	0.20410 ppm
Potassium(K)	0-50 (ppm)	0.00000 ppm
Chromium(Cr)	0-5 (ppm)	0.34800 ppm
Ignition Residue (as sulfate)	0-0.05 (%)	0.00120 %
Chloride (Cl-)	0-5 (ppm)	0.02140 ppm
Strontium(Sr)	0-5 (ppm)	0.02450 ppm
Copper(Cu)	0-5 (ppm)	0.00000 ppm
Cobalt(Co)	0-5 (ppm)	0.00000 ppm
Sodium(Na)	0-50 (ppm)	0.25300 ppm

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Parameter	Limit Values	Result
Molybdenum(Mo)	0-5 (ppm)	0.00000 ppm
Magnesium(Mg)	0-5 (ppm)	0.00000 ppm
Appearance (P100769)	Clear Crystals	Clear Crystals
DNases	none detected	none detected
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
Infrared spectrum	Conforms to Structure	Conforms to Structure

