

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-02-18 17:44:35

Date of Next Testing: 2025-02-07 17:44:35

Product Name: **Phenol red**

CAS Number: 143-74-8

Specifications & Purity: indicator

Lot #: B2313008

SKU #: **P305732**

Version: **2**

Analysis #: **000750**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Ignition Residue (as sulfate)	0-0.2 (%)	0.00 %
Loss on drying	0-1 (%)	0.10 %
$\lambda_{\max}$ (0.1% Na ₂ CO ₃)	555-565(nm)	558.00000 nm
E1%(0.1% Na ₂ CO ₃ , at λ max 555-565nm)	1100-2000	1172.40000
Appearance (P305732)	Red powder or crystals	Red powder or crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in 1M NaOH	almost transparency	almost transparency
Visual transition interval,1.2(orange) - 3.0(yellow)	Conforms	Conforms
Visual transition interval,6.5(brown-yellow)-8.0(purple)	Conforms	Conforms



John Su
QA & QC Manager