

Certificate of Analysis

Date of Testing: 2025-07-18 09:15:16

Date of Next Testing: 2027-07-08 09:15:16

Product Name: **Phenol red**

CAS Number: 143-74-8

Specifications & Purity: indicator

Lot #: G2515318

SKU #: **P305732**

Version: **2**

Analysis #: **514223**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Loss on drying	0-1 (%)	0.62 %
$\lambda_{\max}$ (0.1% Na ₂ CO ₃)	555-565(nm)	559.00000 nm
E1%(0.1% Na ₂ CO ₃ , at $\lambda_{\max}$ 555-565nm)	1100-2000	1779.38144
Ignition Residue (as sulfate)	0-0.2 (%)	0.17 %
Appearance (P305732)	Red powder or crystals	Red powder or crystals
Solubility in 1M NaOH	almost transparency	almost transparency
Visual transition interval,1.2(orange) - 3.0(yellow)	Conforms	Conforms
Infrared spectrum	Conforms to Structure	Conforms to Structure
Visual transition interval,6.5(brown-yellow)-8.0(purple)	Conforms	Conforms



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