

Certificate of Analysis

Date of Testing: 2022-03-26 17:50:05

Date of Next Testing: 2024-03-15 17:50:05

Product Name: **Phenol red**

CAS Number: 143-74-8

Specifications & Purity: Ind

Lot #: C2202231

SKU #: **P305732**

Analysis: **085647**

Parameter	Limit Values	Result
Ignition Residue (as sulfate)	0-0.2 (%)	0.00 %
Loss on drying	0-1 (%)	1.00 %
$\lambda_{\max}$ (0.1% Na ₂ CO ₃)	555-565(nm)	558.00000 nm
E1%(0.1% Na ₂ CO ₃ , at $\lambda_{\max}$ 555-565nm)	1100-2000	1998.00000
Appearance (P305732)	Red powder or crystals	Red powder or crystals
Infrared 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



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