

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-07-26 17:24:56

Date of Next Testing: 2025-07-15 17:24:56

Product Name: **Phenol red**

CAS Number: 143-74-8

Specifications & Purity: indicator

Lot #: G2321154

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 <sub>2</sub> CO <sub>3</sub> )               | 555-565(nm)            | 558.00000 nm           |
| E1%(0.1% Na <sub>2</sub> CO <sub>3</sub> , at $\lambda$ 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               |



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QA & QC Manager