

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-07-04 15:13:20

Date of Next Testing: 2027-07-04 15:13:20

Product Name: **Phenol red**

CAS Number: 143-74-8

Specifications & Purity: indicator, ACS

Lot #: G2402074

SKU #: **P432099**

Version: **1**

Analysis #: **186178**

Storage Temperature: Room temperature

| Parameter                                                                                                      | Limit Values                  | Result                        |
|----------------------------------------------------------------------------------------------------------------|-------------------------------|-------------------------------|
| Spec. Absorptivity A 1%/1cm( $\lambda$ 1max 503 - 506nm ; 0.005 g/l; buffer pH 1,2; calc. on dried substances) | 900-1150                      | 924.13793                     |
| Spec. Absorptivity A 1%/1cm( $\lambda$ 2max 430 - 435nm ; 0.005 g/l; buffer pH 3,0; calc. on dried substances) | 550-650                       | 636.36364                     |
| Spec. Absorptivity A 1%/1cm( $\lambda$ 4max 557 - 560nm ; 0.005 g/l; buffer pH 8,0; calc. on dried substances) | 1000-1250                     | 1172.72727                    |
| loss on drying, 110 °C                                                                                         | 0-1 (%)                       | 0.02300 %                     |
| Spec. Absorptivity A 1%/1cm( $\lambda$ 3max 430 - 435nm ; 0.005 g/l; buffer pH 6.5; calc. on dried substances) | 550-650                       | 649.50000                     |
| Appearance(P432099)                                                                                            | Dark Red to Dark Brown Powder | Dark Red to Dark Brown Powder |
| Clarity of solution (1 g/l; ethanol)                                                                           | pass                          | Pass                          |
| Transition range(pH 5,8 (yellow) – pH 8.2 (red) )                                                              | Pass                          | Pass                          |
| 1st transition range (1.2-3.0, brown-orange to yellow)                                                         | Pass                          | Pass                          |
| 2nd transition range(6.5-8.0, brownish-yellow to red-violet)                                                   | Pass                          | Pass                          |



QualityAssurance@aladdinsci.com

---

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager