

Certificate of Analysis

Date of Testing: 2024-07-09 09:21:04

Date of Next Testing: 2027-07-09 09:21:04

Product Name: **Phenol red**

CAS Number: 143-74-8

Specifications & Purity: indicator ACS

Lot #: G2402075

SKU #: **P432099**

Version: **1**

Analysis #: **186178**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Spec. Absorptivity A 1%/1cm(λ 1max 503 - 506nm ; 0.005 g/l; buffer pH 1,2; calc. on dried substances)	900-1150	924.13793
Spec. Absorptivity A 1%/1cm(λ 2max 430 - 435nm ; 0.005 g/l; buffer pH 3,0; calc. on dried substances)	550-650	636.36364
Spec. Absorptivity A 1%/1cm(λ 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 (%)	0.02 %
Spec. Absorptivity A 1%/1cm(λ 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



ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

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

John Su
QA & QC Manager