

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-08-05 13:51:26

Date of Next Testing: 2027-08-04 13:51:26

Product Name: **Orangel**

CAS Number: 523-44-4

Specifications & Purity: indicator, pH 7.6-8.9

Lot #: G2322630

SKU #: **O113229**

Version: **1**

Analysis #: **246666**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Ignition Residue (as sulfate)	19-22 (%)	20.60000 %
Sodium chloride(NaCl)	0-2 (%)	1.03000 %
Lambda max.(0.02mol/L AcONH4 sol.)	474-478 (nm)	476.00000 nm
Absorbance(E1%1cm)(0.02mol/L AcONH4 sol., 474.0 to 478.0 nm)	≥720	721.00000
Solubility in EtOH	pass	Pass
PH Transition interval,7.6 (orange) to 8.9 (pink)	Conforms	Conforms
Appearance(O113229)	Orange to Brown to Dark red powder to crystal	Orange to Brown to Dark red powder to crystal



John Su
QA & QC Manager