

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-11-22 14:38:34

Date of Next Testing: 2026-11-21 14:38:34

Product Name: **Permanent Orange**

CAS Number: 3468-63-1

Specifications & Purity: $\geq 93\%$ (E)

Lot #: K2210180

SKU #: **P160524**

Version: **2**

Analysis #: **132593**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Lambda max.(CHCl ₃)	478.0-482.0 (nm)	480.00000 nm
Purity(HPLC)	93-100 (%)	95.37100 %
Appearance (P160524)	Light yellow to Brown powder to crystal	Light yellow to Brown powder to crystal
LC-MS for identification	Conforms	Conforms

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

John Su
QA & QC Manager