

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-02-26 15:46:12
 Date of Next Testing: 2030-02-25 15:46:12
 Product Name: **Xanthophyll**
 CAS Number: 127-40-2
 Specifications & Purity: $\geq 75\%$
 Lot #: B2604110
 SKU #: **X109575**
 Version: **0**
 Analysis #: **549683**
 Storage Temperature: Protected from light, Store at -20°C , Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	75-100 (%)	98.66800 %
UV (Lambda max 1)	423-427 (nm)	425.20000 nm
UV (Average % of Theory)	70-100 (%)	78.35000 %
UV (Lambda max 2)	443-447 (nm)	445.86000 nm
UV (Lambda max 3)	473-477 (nm)	474.62000 nm
Appearance (X109575)	orange to red or brown powder	orange to red or brown powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in CH_2Cl_2 , Clear, Yellow to Orange or Brown, 0.98 - 1.02 mg/ml	pass	Pass
UV (Solvent Ethanol+ NaBH_4)	Conforms	Conforms



John Su
QA & QC Manager