

Certificate of Analysis

Date of Testing: 2022-04-27 17:29:59

Date of Next Testing: 2026-04-26 17:29:59

Product Name: **Xanthophyll**

CAS Number: 127-40-2

Specifications & Purity: 75%

Lot #: F1820123

SKU #: **X109575**

Analysis: **088328**

Storage Temperature: Protected from light,Store at -20°C,Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	75-100 (%)	88.64200 %
UV (Lambda max 1)	423-427 (nm)	425.00 nm
UV (Average % of Theory)	70-100 (%)	70.10 %
UV (Lambda max 2)	443-447 (nm)	446.00 nm
UV (Lambda max 3)	473-477 (nm)	473.00 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 ₂ CL 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