

Certificate of Analysis

Date of Testing: 2025-07-04 15:48:34

Date of Next Testing: 2029-07-03 15:48:34

Product Name: **Orange G**

CAS Number: 1936-15-8

Specifications & Purity: $\geq 96\%$ (HPLC)

Lot #: F2525587

SKU #: **O100205**

Version **0**

Analysis #: **570345**

Parameter	Limit Values	Result
λ max(H ₂ O)	476-482 (nm)	479.00 nm
Absorbance(10mg/L,H ₂ O,476.0-482.0nm)(anhydrous)	>0.4	0.47
Loss on drying	0-5 (%)	1.08 %
Dye content(HPLC)	96-100 (%)	99.40 %
Appearance (O100205)	orange crystals or powder	orange crystals or powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager