

Certificate of Analysis

Date of Testing: 2023-01-30 17:10:15

Date of Next Testing: 2027-01-29 17:10:15

Product Name: **Orange G**

CAS Number: 1936-15-8

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

Lot #: A2316020

SKU #: **O100205**

Analysis: 091610

Parameter	Limit Values	Result
λ max(H ₂ O)	476-482 (nm)	478.00 nm
Absorbance(10mg/L,H ₂ O,476.0-482.0nm)(anhydrous)	>0.4	0.49
Loss on drying	0-5 (%)	0.95 %
Dye content(HPLC)	96-100 (%)	99.49 %
Appearance (O100205)	orange crystals or powder	orange crystals or powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager