

## Certificate of Analysis

Date of Testing: 2025-07-04 15:49:38  
Date of Next Testing: 2029-07-03 15:49:38  
Product Name: **Orange G**  
CAS Number: 1936-15-8  
Specifications & Purity:  $\geq 96\%$ (HPLC)  
Lot #: F2525593  
SKU #: **O100205**  
Version: **0**  
Analysis #: **570345**

Parameter	Limit Values	Result
$\lambda$ max(H <sub>2</sub> O)	476-482 (nm)	479.00 nm
Absorbance(10mg/L,H <sub>2</sub> 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