

## Certificate of Analysis

Date of Testing: 2024-07-03 16:39:00  
Date of Next Testing: 2028-07-02 16:39:00  
Product Name: **Orange G**  
CAS Number: 1936-15-8  
Specifications & Purity:  $\geq 96\%$ (HPLC)  
Lot #: F2424391  
SKU #: **O100205**  
Version: **0**  
Analysis #: **380456**

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	0.52
Loss on drying	0-5 (%)	0.21 %
Dye content(HPLC)	96-100 (%)	98.96 %
Appearance (O100205)	orange crystals or powder	orange crystals or powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager