

Certificate of Analysis

Date of Testing: 2024-07-03 16:38:25

Date of Next Testing: 2028-07-02 16:38:25

Product Name: **Orange G**

CAS Number: 1936-15-8

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

Lot #: F2424390

SKU #: **O100205**

Version: **0**

Analysis #: **380456**

| 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 | 0.52 |
| 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 |



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QA & QC Manager