

## Certificate of Analysis

Date of Testing: 2022-01-20 10:40:59

Date of Next Testing: 2026-01-19 10:40:59

Product Name: **Orcein**

CAS Number: 1400-62-0

Specifications &amp; Purity:

Lot #: A2213425

SKU #: **O121730****Analysis: 072232**

Parameter	Limit Values	Result
Loss on drying	0-25 (%)	2.28 %
Absorbance(E1%1cm)(NaOH, 574.0-582.0 nm)	≥250	517.78656
Appearance (O121730)	Red-Brown to Dark Brown or Black Powder, Crystals	Red-Brown to Dark Brown or Black Powder, Crystals
Purity(HPLC)	many component mixture	many component mixture
Solubility in 1M NaOH , Purple to Dark Purple,Clear,1 mg/mL	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure

John Su  
QA & QC Manager