

## Certificate of Analysis

Date of Testing: 2023-06-13 16:30:27  
Date of Next Testing: 2025-06-02 16:30:27  
Product Name: **Disperse Orange 11**  
CAS Number: 82-28-0  
Specifications & Purity: analytical standard  
Lot #: F2307194  
SKU #: **D114104**  
Analysis: **230999**

Parameter	Limit Values	Result
Purity(HPLC)	85-100 (%)	89.40000 %
Purity( total nitrogen )	85-100 (%)	96.80 %
Infrared spectrum	Conforms to Structure	Conforms to Structure
Appearance(D114104)	Orange to Amber to Dark red powder to crystal	Orange to Amber to Dark red powder to crystal



John Su  
QA & QC Manager