

## Certificate of Analysis

Date of Testing: 2024-04-22 14:43:01  
Date of Next Testing: 2026-04-12 14:43:01  
Product Name: **Disperse Orange 11**  
CAS Number: 82-28-0  
Specifications & Purity: analytical standard  
Lot #: D2419053  
SKU #: **D114104**  
Analysis: **148401**

| Parameter                | Limit Values                                  | Result  |
|--------------------------|---|---|
| Purity(HPLC)             | 85-100 (%)                                    | 89.40000 %                                    |
| Purity( total nitrogen ) | 85-100 (%)                                    | 99.99 %                                       |
| Appearance(D114104)      | Orange to Amber to Dark red powder to crystal | Orange to Amber to Dark red powder to crystal |
| Infrared spectrum        | Conforms to Structure                         | Conforms to Structure                         |



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QA & QC Manager