

## Certificate of Analysis

Date of Testing: 2023-08-05 14:09:28  
Date of Next Testing: 2027-08-04 14:09:28  
Product Name: **Direct Red 80**  
CAS Number: 2610-10-8  
Specifications & Purity: Dye content 25 %  
Lot #: G2325275  
SKU #: **D278961**  
**Analysis: 247931**

Parameter	Limit Values	Result
Extinction Coefficient(524-530 nm,c=0.03g/L;Water)	≥ 32000	38922.88070
Extinction Coefficient(277-283 nm,c=0.03g/L;Water)	≥12000	17307.60500
Extinction Coefficient(223-235 nm,c=0.03g/L;Water)	≥15000	20038.36050
Carbon by Elemental Analysis	≥9.4 (%)	14.47%
Nitrogen by Elemental Analysis	≥2.4 (%)	3.42%
Appearance(D278961)	Powder	Powder
Infrared spectrum	Conforms to Structure	Conforms to Structure



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QA & QC Manager