

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-08-22 14:42:52

Date of Next Testing: 2027-08-21 14:42:52

Product Name: **Direct Red 80**

CAS Number: 2610-10-8

Specifications & Purity: Dye content 25 %

Lot #: H2314416

SKU #: **D278961****Analysis: 258332**

| Parameter | Limit Values | Result |
|--|-----------------------|-----------------------|
| Extinction Coefficient(524-530 nm,c=0.03g/L;Water) | ≥ 32000 | 37255.96600 |
| Extinction Coefficient(277-283 nm,c=0.03g/L;Water) | ≥12000 | 16064.91900 |
| Extinction Coefficient(223-235 nm,c=0.03g/L;Water) | ≥15000 | 17941.44800 |
| Carbon by Elemental Analysis | ≥9.4 (%) | 13.89 % |
| Nitrogen by Elemental Analysis | ≥2.4 (%) | 3.23 % |
| Appearance(D278961) | Powder | Powder |
| Infrared spectrum | Conforms to Structure | Conforms to Structure |

John Su
QA & QC Manager