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### CERTIFICATE OF ANALYSIS

**Name of the Sample** : **Sudan (IV) Powder**  
**Batch No.** : **226549**  
**Date of Mfg.** : **May 2023**  
**Date of Exp.** : **April 2028**  
**Register No.** : **2023-24**  
**Qty of Sample** : **100gm**  
**Date of Analysis** : **May 2023**

| S. No | Test Parameters                                  | Observed Values | Standard Values    |
|-------|--|-----------------|--------------------|
| 1.    | Description                                      | Passes          | Dark Red Powder    |
| 2.    | Solubility 0.1%<br>(in Toluene)                  | Passes          | Clear red solution |
| 3.    | Loss on drying at 110°C                          | 0.85%           | Max.1.0%           |
| 4.    | Absorptivity 1%/1cm<br>at $\lambda$ max 519.0 nm | 841             | > 710              |
| 5.    | Suitability for microscopy                       | Passes          | To Pass test       |

**Chief Chemist**