



Certificate of Analysis

Product: FD&C Blue #1 Dye

Item Number: C3765

Grade: FCC

Lot Number: 250120-A

Manufacture Date: 06/20/2024

Expiration Date: 06/19/2027

Country of Origin: India

| Tested Property | Specification | Analysis |
|---|---|----------|
| Description | Deep blue to purple powder | Passes |
| Total Dye Content, corrected for sample dried for 2Hrs @105°C | ≥85% | 85.65 |
| Water Insoluble Matter | ≤0.2% | 0.036 |
| Subsidiary Dyes | ≤3.0% | 2.25 |
| Dye Intermediates Uncombined | ≤1.8% | <0.5 |
| Arsenic (As) | ≤3 mg/kg | <3 |
| Mercury (Hg) | ≤1 mg/kg | <1 |
| Manganese (Mn) | ≤0.01% | <0.01 |
| Chromium (Cr) | ≤0.005% | 0.002 |
| Lead (Pb) | ≤2 mg/kg | ≤2 |
| Leuco Base | ≤5% | <0.5 |
| Ether Extracts (combined) | To Pass Test | Passes |
| Volatile Matter @ 135°C, Cl and SO4 (Na Salts) | ≤15.0% total | Conforms |
| Solubility 1mg/ml, Water | Clear to opaque blue to blue black soln | Conforms |
| Identification | To pass the test | Pass |

FD&C Blue #1 Dye

Note: The information and recommendations of Lab Alley concerning this product are based upon laboratory tests and experience. To the best of our knowledge and belief these are true and accurate, however Lab Alley

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