

Certificate of Analysis

Product: FD&C Blue #1 Dye, FCC Grade Powder

Item Number: C3765

CAS#: 3844-45-9

Grade: FCC

Lot Number: 260428-A

Manufacture Date: 06/20/2024

Expiration Date: 06/19/2027

Country of Origin: United States

Tested Property	Specification	Analysis
Description	Dark 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 mg/kg
Mercury (Hg)	≤1 mg/kg	<1 mg/kg
Manganese (Mn)	≤0.01%	<0.01%
Chromium (Cr)	≤0.005%	0.002%
Lead (Pb)	≤2 mg/kg	≤2 mg/kg
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

Store in cool, dry, well-ventilated environment.

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