

Certificate of Analysis

Product: FD&C Blue #1 Dye
Item Number: C3765
Grade: FCC
Lot Number: 250124-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

[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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