



Certificate of Analysis

Acid Blue 9

Catalog Number: AB1001
Lot Number: 0124903
CAS Number: 3844-45-9
Synonym(s): Brilliant Blue FCF, Alphazurine FG, FD&C, BLUE No. 1, Erioglaucine disodium salt
Molecular Formula: $C_{37}H_{34}Na_2N_2O_9S_3$
Molecular Weight: 792.85
Storage: 15°C – 30°C
Date of Manufacture: August 9, 2016
Retest Date: July 30, 2021

Test	Specification	Result
Appearance	Dark blue to purple granular powder	Conforms
Total Dye Content (Anhydrous)	≥ 87%	89.12%
Solubility (1mg/mL, H ₂ O)	Clear to opaque, blue to black solution	Conforms
Moisture (LOD)	≤ 13%	7.0%
Water Insoluble Matter	≤ 0.2%	0.072%
Subsidiary dyes	≤ 3.0%	1.0%
Dye Intermediates	≤ 1.8%%	< 0.5%
Arsenic	≤ 3mg/kg	< 3mg/kg
Lead	≤ 2mg/kg	< 2mg/kg
Mercury	≤ 1mg/kg	< 1mg/kg

Approved by:

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