

Certificate of Analysis

Date of Testing: 2022-06-14 14:35:09
Date of Next Testing: 2026-06-13 14:35:09
Product Name: **Direct Black 38**
CAS Number: 1937-37-7
Specifications & Purity: Dye content, ≥45 %
Lot #: D2301841
SKU #: **D118564**
Analysis: **099292**

Parameter	Limit Values	Result
Absorption Ratio P-15/P+1	0.97-1	0.98
Dye Content	≥45 (%)	46.20 %
Appearance (D118564)	Dark brown or black powder	Dark brown or black powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility, Dark Green to Black, 5 mg + 5 mL, H ₂ O	pass	Pass



John Su
QA & QC Manager