

Certificate of Analysis

Date of Testing: 2024-01-03 16:56:01

Date of Next Testing: 2028-01-02 16:56:01

Product Name: **Celestine blue**

CAS Number: 1562-90-9

Specifications & Purity: Dye content 80 %

Lot #: L2327005

SKU #: **C106040**

Analysis: **175698**

Parameter	Limit Values	Result
Extinction Coefficient(c = 0.01 g/l; H ₂ O)	≥29000	32985.00
λ max(c = 0.01 g/l; H ₂ O)	640-650 (nm)	641.00 nm
Dye Content	80-100 (%)	81.00 %
Nitrogen by Elemental Analysis	9.0-11.8 (%)	9.10 %
Carbon by Elemental Analysis	44.0-57.3 (%)	45.00 %
Appearance (C106040)	Powder	Powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , Dark Blue to Dark Purple to Blue-Purple,c = 0.1%	pass	Pass



John Su
QA & QC Manager