

Certificate of Analysis

Date of Testing: 2023-12-07 15:58:15
Date of Next Testing: 2027-12-06 15:58:15
Product Name: **Brilliant Blue G**
CAS Number: 6104-58-1
Specifications & Purity: 70% , for electrophoresis
Lot #: K2329279
SKU #: **B104241**
Analysis: 069485
Storage Temperature: Desiccated

Parameter	Limit Values	Result
Loss on drying(105°C)	0-6 (%)	0.36 %
λ max(H ₂ O)	580-587 (nm)	584.00 nm
Absorbance(E1%1cm)(H ₂ O, 580.0 to \geq 450 587.0 nm)		546.93
Dye Content	70-100 (%)	86.03 %
Appearance (B104241)	Dark Blue to Blue-Purple Powder,Crystals,Granules	Dark Blue to Blue-Purple Powder,Crystals,Granules
Functional testing	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager