

## Certificate of Analysis

Date of Testing: 2022-02-28 16:41:06  
Date of Next Testing: 2026-02-27 16:41:06  
Product Name: **Brilliant Blue G**  
CAS Number: 6104-58-1  
Specifications & Purity: 70% , for electrophoresis  
Lot #: B2221352  
SKU #: **B104241**  
**Analysis: 069485**  
Storage Temperature: Desiccated

Parameter	Limit Values	Result
Loss on drying(105°C)	0-6 (%)	0.36 %
$\lambda$ max(H <sub>2</sub> O)	580-587 (nm)	584.00 nm
Absorbance(E1%1cm)(H <sub>2</sub> 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