

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-02-06 11:39:09
 Date of Next Testing: 2027-01-27 11:39:09
 Product Name: **5-Bromo-4-chloro-3-indolyl β -D-galactopyranoside (X-Gal)**
 CAS Number: 7240-90-6
 Specifications & Purity: $\geq 98\%$
 Lot #: A2522241
 SKU #: **X108836**
 Version: **2**
 Analysis #: **459356**
 Storage Temperature: Store at -20°C , Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.86100 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in DMF})$	$-72--60 (^{\circ})$	-62.71200°
Appearance (X108836)	White or off-white powder	White or off-white powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in DMF/MeOH (1/1) , Colorless to Faint Green-Yellow, Clear, 50 mg/ml	pass	Pass



John Su
QA & QC Manager