

## Certificate of Analysis

Date of Testing: 2024-03-29 13:34:03  
Date of Next Testing: 2028-03-28 13:34:03  
Product Name: **Gal $\beta$ (1-4)Glc- $\beta$ -MP**  
CAS Number: 150412-80-9  
Specifications & Purity: >96.0%(HPLC)  
Lot #: C2425291  
SKU #: **G156791**  
**Analysis: 318670**  
Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Purity(HPLC area)	96-100 (%)	99.44 %
Specific Rotation [a] <sub>20</sub> /D(c=0.5 in DMF)	-22~-20 (°)	-21.07°
Appearance(G156791)	White to Almost white powder to crystal	White to Almost white powder to crystal
NMR Spectrum 1H	Conforms to structure	Conforms to Structure



John Su  
QA & QC Manager