



BIO-CHEM CHEMICALS

Office Address: 5455, Nicholson Road Science Market , Ambala Cantt.133001 Haryana(India) ,
Contact no: +91-8295241953, +91-7404210730

CERTIFICATE OF ANALYSIS

Product Name	D (-) MANNITOL AR (FOR MOLECULAR BIOLOGY)
Code No.	B-01636
Batch No.	BC/1184/19-3
Mfg.Date	FEB-2022
Date of Analysis	05/02/2022
Retest Date	JAN-2027

TEST	SPECIFICATION	RESULT
Appearance	White crystalline powder	White crystalline powder
Assay	Min 99%	99.36%
Melting point	165 - 169 deg C	167°C
Specific optical rotation ([α] _D ²⁰)	+23 to +25 deg	+24°
Loss on drying (at 105°C)	Max 0.05%	0.026%
Insoluble matter	Max 0.01%	0.006%
Acidity (as CH ₃ COOH)	Max 0.005%	0.0024%
Sulphated ash	Max 0.02%	0.014%
Chloride (Cl)	Max 0.001%	0.0008%
Sulphate (SO ₄)	Max 0.005%	0.0029%
Arsenic (As)	Max 0.0001%	0.00006%
Calcium (Ca)	Max 0.001%	0.0004%
Copper (Cu)	Max 0.0005%	0.000027%
Iron (Fe)	Max 0.0005%	0.00034%
Lead (Pb)	Max 0.0005%	0.00035%
Reducing sugars (as glucose)	Max 0.05%	0.024%
Substance darkened by H ₂ SO ₄	Passes test	Passes test
D (-)-Sorbite (GC)	Max 1%	0.6%

REMARK: This product complies as per the specifications of **BIO-CHEM CHEMICALS**.

This is an electronically generated certificate and is valid without a signature.

For Issues relating to quality you may send us a mail on info@biofinechemicals.com or call on
+91-7404210730 Website- www.biofinechemicals.com