



BIO-CHEM CHEMICALS

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CERTIFICATE OF ANALYSIS

Product Name	GLYCEROL MOLECULAR BIOLOGY
Cas No.	56-81-5
Code No.	B-01293
Batch No.	BC01251444
Mfg. Date	JAN-2025
Date of Analysis	30-01-2025
Retest Date	DEC-2030

Tests	Specifications	Results
Appearance	Clear colorless viscous liquid	Clear colorless viscous liquid
Residue on ignition	Max 0.1%	0.00097%
Solubility (5 M in water; 20°C)	Complete, colorless	Complete, colorless
pH (5 M solution in water; 25°C)	5.5 - 8.0	6.98
Density (at 25°C)	About 1.262 g/ml	1.268g/ml
Refractive index (20°C; 589 nm)	~1.474	1.474
Ammonium (NH ₄)	Max 0.0005%	0.0004%
Chloride (Cl)	Max 0.0001%	0.0001%
Cobalt (Co)	Max 0.0001%	<0.0001%
Sodium (Na)	Max 0.002%	0.00011%
Sulphate (SO ₄)	Max 0.001%	0.00080%
Chromium (Cr)	Max 0.0001%	<0.0001%
Nickel (Ni)	Max 0.0001%	<0.0001%
Silver (Ag)	Max 0.0005%	<0.0005%
Copper (Cu)	Max 0.0001%	<0.0001%
Lead (Pb)	Max 0.0001%	0.000044%
Aluminium (Al)	Max 0.0001%	0.0000018%
Iron (Fe)	Max 0.0001%	0.00000042%
Strontium (Sr)	Max 0.0001%	<0.0001%
Arsenic (As)	Max 0.00001%	<0.00001%
Potassium (K)	Max 0.002%	<0.002%

Titanium (Ti)	Max 0.0005%	<0.0005%
Barium (Ba)	Max 0.0001%	0.0000039%
Lithium (Li)	Max 0.0001%	<0.0001%
Zinc (Zn)	Max 0.0001%	0.0000029%
Bismuth (Bi)	Max 0.0001%	<0.0001%
Magnesium (Mg)	Max 0.0001%	0.000018%
Calcium (Ca)	Max 0.0005%	0.000093%
Manganese (Mn)	Max 0.0001%	<0.0001%
Cadmium (Cd)	Max 0.0001%	<0.0001%
Molybdenum (Mo)	Max 0.0001%	<0.0001%
Absorption 5M in H ₂ O		-
at 260 nm	Max 0.05	0.047
at 280 nm	Max 0.04	0.039
Insoluble matter	Passes filter test	Passes filter test
DNases (exo and endonucleases)	None detected	None detected
RNases	None detected	None detected
Phosphatase	None detected	None detected
Proteases	None detected	None detected

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@biofinechemical.com** or call on **+91-7404210730** Website- **www.biofinechemical.com**