



BIO-CHEM CHEMICALS

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CERTIFICATE OF ANALYSIS

Product Name	GLYCERINE PURIFIED
Code No.	B-01291
Batch No.	BC/0007/20-2
Mfg.Date	April -2022
Date of Analysis	March 2022
Retest Date	March - 2027

TEST	SPECIFICATION	RESULT
Appearance	A Clear, colourless liquid or almost colourless, odourless, very hygroscopic, syrupy liquid	A Clear, colourless liquid or almost colourless, odourless, very hygroscopic, syrupy liquid
Assay	98 - 101%	99.08%
Clarity (50% w/v in distilled water)	Clear	Clear
Colour (10 ml of 50% w/v solution diluted to 25 ml)	+52.5° to +53.3°	+53.1°
Refractive index (20°C; 589 nm)	1.470 - 1.475	1.471
Acidity	Max 0.2 ml of 0.1 N NaOH required for 50 ml of 50% w/v solution	0.1 ml of 0.1 N NaOH required for 50 ml of 50% w/v solution
Alkalinity	NIL	NIL
Heavy metal (as Pb)	Max 0.0005%	0.0002%
Iron (Fe)	Max 0.0004%	0.0002%
Chloride (Cl)	Max 0.0005%	Less than 0.0005%
Sulphate (SO ₄)	Max 0.0030%	0.0015%
Aldehyde and reducing substance	Passes BP test	Complies
Ester	Min 8.0 ml of 0.1M HCl required to decolorise the 50 ml of 50% w/v solution of glycerin in water	Min 8.0 ml of 0.1M HCl required to decolorise the 50 ml of 50% w/v solution of glycerin in water
Sugar	Max 0.5 %	0.06%
Sulphated ash	Max 0.01%	0.006%
Water (H ₂ O)	Max 2%	1.48%

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