



Regd. Office : 315 TV Industrial Area, 248 Worli Road, Mumbai-400 030, India.  
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### CERTIFICATE OF ANALYSIS

QUALITY CONTROL LABORATORY of SDFCL Mfg. Unit No.2  
 Survey No.299, Poicha(R), -391780, Taluka : Savli, District : Vadodara , Gujarat  
 NABL ACCREDITED TC-6881 ISO/IEC 17025 : 2017 For Chemical Testing

ULR No: TC68812000000050P

1. Discipline: Chemical Testing

I. Group: Chemical

Name of Product	GLYCEROL AR (meets the analytical specification of BP, USP, Ph.Eur.) (Not for Direct Medicinal use)		
Batch No.:	B20A/1920/1202/31	Product Code	20118
Mfg. Date:	FEB.-2020	Reassessment Date:	JAN.-2025
Specification Ref.:	20118SP03	Lab ID :	RM/1920/02094
CASR No.:	56-81-5	Certificate No.:	R- 120220/19
Molecular Formula:	C <sub>3</sub> H <sub>8</sub> O <sub>3</sub>	Molecular Weight:	92.09

TEST	SPECIFICATIONS	RESULTS	TEST METHOD REF.
*Description	A clear viscous liquid, not more than 10 Hazen units in colour.	Complies	Ph Eur 6.0 <sup>th</sup> edition
*Solubility	Miscible with water & with industrial Methylated spirit forming clear & Colourless solution.	Complies	Ph Eur 6.0 <sup>th</sup> edition
*Identification (By FTIR)	Passes test	Complies	In house development
Minimum Assay (By GC)	99.5%	99.96%	ACS 11 <sup>th</sup> edition, 2016
*Wt. per ml at 20°c	1.257 – 1.261 g	1.258 g	Ph Eur 6.0 <sup>th</sup> edition
*Refractive index (n) <sub>D</sub> <sup>20</sup>	1.471 – 1.473	1.472	Ph Eur 6.0 <sup>th</sup> edition
*Reaction	pH 6.0 – 7.0	6.5	In house development
<b>MAXIMUM LIMITS OF IMPURITIES :</b>			
*Sulphated ash	0.005%	0.004%	ACS 10 <sup>th</sup> edition
*Chloride(Cl)	0.0001%	<0.0001%	ACS 2000
*Sulphate(SO <sub>4</sub> )	0.0005%	0.00025%	ACS 2000
*Arsenic(As)	0.0001%	NIL	In house development
*Iron (Fe)	0.00005%	0.00003%	Vogel's fifth edition Quantitative chemical Analysis
*Lead (Pb)	0.00005%	NIL	ACS 2000
*Heavy Metals(Pb)	0.0005%	NIL	ACS 2000
*Esters of fatty acids (glycerol tributyrates)	Passes test	Complies	In house development
*Sugar (glucose)	Passes test	Complies	In house development
*Acidity or Alkalinity	Passes test	Complies	BP - 2004
*Aldehydes	Passes test	Complies	BP - 2004

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*Related substances	Passes test	Complies	USP
*Halogenated compounds (as Cl)	0.003%	<0.003%	USP
*Water	2.0%	0.036%	Ph Eur 6.0 <sup>th</sup> edition
*Organic volatile impurities	Meets the requirement	Complies	USP
*Ethylene Glycol & related substance (GC)	Passes test	Complies	USP

**“The tests marked with an \* are not accredited by NABL (ISO/IEC 17025:2017)”.**

THE ABOVE BATCH MATERIAL COMPLIES WITH THE PRESCRIBED QUALITY STANDARD AS ABOVE.

Measured values given in this Certificate of Analysis are the results determined at the time of Analysis.

The above data do not relieve the user from analyzing the product upon receipt. Any legally binding assurance regarding the suitability of the product for any particular purpose or use cannot be derived thereof.

**The results relate only to the sample tested.**

**This certificate shall not be reproduced except in full, without written consent of the Lab management.**

**This product is manufactured at our manufacturing unit no.2**

**Sampling SOP No. : SDFCL-POI-SOP-001**

**Sampling Plan : A (Sq. root of N+1)**

**Spl.Ref. (if any) : -**

**For S D FINE-CHEM LIMITED**

**(Authorized Signatory)**

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