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## Certificate of Analysis

<b>Product</b>	<b>65542 - Glycerol anhydrous for cell culture, 99.5% - [56-81-5]</b>
<b>Batch No</b>	<b>5589268</b>
<b>Analysis Date</b>	10-Jan-2022
<b>Date of Manufacture</b>	January 2022
<b>Expiry Date/Re-Test Date</b>	January 2027
<b>Molecular Formula</b>	C3H8O3
<b>Molecular Weight</b>	92.10

Test Parameters	Standards	Actual Results
Appearance (Clarity)	Clear	Clear
Appearance (Colour)	Colourless	Colourless
Appearance (Form)	Liquid	Liquid
Colour (APHA)	max. 10	Passes
Assay	min. 99.5%	99.9%
Refractive Index (20°C)	1.474 - 1.475	1.474
Density (g/ml) @ 20°C	1.257 - 1.260 g/ml	1.258 g/ml
pH (10% aq. solution)	6.0 - 7.0	6.1
Non Volatile Matter	max. 0.005%	Passes
Residue after ignition	max. 0.01%	0.007%
Chloride (Cl)	max. 0.0001%	Passes
Sulphate (SO4)	max. 0.001%	Passes
Iron (Fe)	max. 0.0001%	Passes
Heavy Metals (Pb)	max. 0.0001%	Passes
Fatty acid esters (Glycerol tributryrate)	max. 0.08%	Passes
Sugars (Glucose)	max. 0.004%	Passes
Reducing Substances	Passes test	Passes
Absorbance (A) of 10% aq. solution in a 1cm cell v/s H2O		.
@260nm	max. 0.05	0.01
@280nm	max. 0.05	0.01
DNase, RNase, Protease	Not detected	Not detected
Suitability for Cell Culture	Passes	Passes
Bacterial Endotoxin Test (BET) (EU/mg = IU/mg)	< 0.05 EU/mg	Passes

FRM/82/11/4/65542 Rev No. 1 Date 18/07/2021

Prepared by Yogesh

In compliance with the standard specifications of SRL

Plant Site 2 : H-4, MIDC, Taloja – 410 208, Maharashtra, India

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