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# Certificate of Analysis

<b>Product</b>	<b>20490 - 2-Mercaptoethanol for cell culture, 99%, Endotoxin (BET) 0.05EU/ml - [60-24-2]</b>
<b>Batch No</b>	<b>8730413</b>
<b>Analysis Date</b>	11-Mar-2024
<b>Date of Manufacture</b>	March 2024
<b>Expiry Date/Re-Test Date</b>	March 2029
<b>Molecular Formula</b>	C <sub>2</sub> H <sub>6</sub> O <sub>2</sub> S
<b>Molecular Weight</b>	78.13

Test Parameters	Standards	Actual Results
Appearance (Clarity)	Clear	Clear
Appearance (Colour)	Colourless	Colourless
Appearance (Form)	Liquid	Liquid
Assay (GC)	min. 99%	99.89%
Density (g/ml) @ 20°C	1.114-1.116	1.114
Refractive Index (20°C)	1.500-1.501	1.500
Iron (Fe)	max. 0.00005%	Passes
Heavy Metals (Pb)	max. 0.0001%	Passes
Absorbance (A) of 0.5M aq. solution in a 1cm cell v/s H <sub>2</sub> O		.
@260nm	max. 1.5	0.9201
@280nm	max. 0.3	0.0440
DNase, RNase, Protease	Not detected	Not Deetected
Suitability for Cell Culture	Passes	Passes
Bacterial Endotoxin Test (BET) (EU/ml = IU/ml)	<0.05 EU/ml	passes

FRM/82/11/2/20490 Rev No. 1 Date 27/03/2022

Prepared by Sanket

In compliance with the standard specifications of SRL

Plant Site 1 : D-88/2, MIDC, Turbhe – 400 705, New Mumbai, India

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