



**SISCO
RESEARCH
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PVT. LTD.**

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Certificate of Analysis

Product

**20490 - 2-Mercaptoethanol for cell culture, 99%,
Endotoxin (BET) 0.05EU/ml - [60-24-2]**

Batch No

1071672

Analysis Date

05-Jun-2022

Date of Manufacture

June 2022

Expiry Date/Re-Test Date

June 2027

Molecular Formula

C₂H₆O_S

Molecular Weight

78.13

| Test Parameters | Standards | Actual Results |
|---|---------------|----------------|
| Appearance (Clarity) | Clear | Clear |
| Appearance (Colour) | Colourless | Colourless |
| Appearance (Form) | Liquid | Liquid |
| Assay (GC) | min. 99% | 99.91% |
| 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 ₂ O | | . |
| @260nm | max. 1.5 | 0.9476 |
| @280nm | max. 0.3 | 0.0876 |
| DNase, RNase, Protease | Not detected | Not detected |
| 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 **Rajashri**

In compliance with the standard specifications of SRL

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