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# Certificate of Analysis

<b>Product</b>	<b>27498 - Acetone for molecular biology, 99.8% - [67-64-1]</b>
<b>Batch No</b>	<b>5018993</b>
<b>Analysis Date</b>	01-Aug-2023
<b>Date of Manufacture</b>	August 2023
<b>Expiry Date/Re-Test Date</b>	August 2028
<b>Molecular Formula</b>	C <sub>3</sub> H <sub>6</sub> O
<b>Molecular Weight</b>	58.08

Test Parameters	Standards	Actual Results
Appearance (Clarity)	Clear	Clear
Appearance (Colour)	Colourless	Colourless
Appearance (Form)	Liquid	Liquid
Colour (APHA)	max. 10	Passes
Assay (GC)	min. 99.8%	99.91%
Density (g/ml) @ 20°C	0.789-0.791	0.789
Refractive Index (20°C)	1.358-1.360	1.358
Boiling Range	55-56°C	55-56°C
Non Volatile Matter	max. 0.0001%	0.0001%
Substances reducing Permanganate (O)	max. 0.0002%	Passes
Iron (Fe)	max. 5ppb	Passes
Heavy Metals (Pb)	max. 0.2ppb	Passes
Acidity (CH <sub>3</sub> COOH)	max. 0.002%	0.0006%
Water (KF)	max. 0.05%	0.05%
%T (Transmission) in a 1cm cell v/s H <sub>2</sub> O		.
@330nm	≥15	18
@335nm	≥60	62
@340nm	≥85	89
@345nm	≥95	98
@350nm	≥98	100
@355-400nm	≥99	100

FRM/82/11/2/27498 Rev No. 1 Date 01/11/2015

Prepared by Ashish

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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1/1

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