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# Certificate of Analysis

<b>Product</b>	<b>62986 - Isopropanol (IPA) ACS, 99.5% - [67-63-0]</b>
<b>Batch No</b>	<b>5427900</b>
<b>Analysis Date</b>	06-Jul-2024
<b>Date of Manufacture</b>	July 2024
<b>Expiry Date/Re-Test Date</b>	July 2029
<b>Molecular Formula</b>	C3H8O
<b>Molecular Weight</b>	60.10

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. 99.5%	99.92%
Density (g/ml) @ 20°C	0.784-0.786	0.785
Refractive Index (20°C)	1.377-1.378	1.377
Boiling Range	81-83°C	81-83°C
Non Volatile Matter	max. 0.001%	0.0002%
Acidity (C3H6O2)	max. 0.001%	0.0004%
Alkalinity (NaOH)	max. 0.0005%	Not detected
Aldehyde & Ketones (C3H6O)	max. 0.002%	Passes
Water (KF)	max. 0.2%	0.04%
Solubility with water	Passes test	Passes
Absorbance of sample in 1cm cell v/s H2O		.
@210nm	max. 1	0.5070
@220nm	max. 0.4	0.1995
@230nm	max. 0.2	0.0913
@245nm	max. 0.08	0.0199
@260nm	max. 0.04	0.0081
@275nm	max. 0.03	0.0060
@300nm	max. 0.02	0.0025
@330-400nm	max. 0.01	0.0010

FRM/82/11/2/62986 Rev No. 3 Date 06/12/2023

Prepared by **Rganesh**

In compliance with the standard specifications of SRL

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