

CERTIFICATE OF ANALYSIS

Product Name	ACETONE 99.5% AR		
CAS No.	67-64-1	Code No.	00028
Batch No.	Sample COA	Date of Analysis	06/08/2025
Mfg. Date	Aug-2025	Mol. Weight (g/mol)	58.08
Expiry Date	July-2030	Mol. Formula	(CH ₃) ₂ CO

Sr.	TESTS	SPECIFICATIONS	RESULTS
1	Appearance	Clear colourless liquid with characteristics odour	Clear colourless liquid with characteristics odour
2	Identity (IR)	Confirms to structure	Complies
3	Colour scale	Max. 10 APHA	5 APHA
4	Solubility	Miscible with water	Complies
5	Purity (by GC)	Min. 99.5%	99.79%
6	Refractive index (20°C; 589 nm)	1.3580 - 1.3600	1.3584
7	Density (d ₂₀ ⁴ /4°C)	0.789 - 0.791 g/ml	0.790 g/ml
8	Specific gravity	Max 0.789	0.786
9	Acidity (as CH ₃ COOH)	Max. 0.0003 meq/g	0.00002 meq/g
10	Alkalinity	Max. 0.0006 meq/g	Nil
11	Residue on evaporation	Max. 0.0005%	0.00033%
12	Aldehyde (as HCHO)	Max. 0.002%	0.0003%
13	Methanol (CH ₃ OH)	Max. 0.05%	0.007%
15	2-Propanol	Max. 0.05%	0.015%
16	Water (H ₂ O)	Max. 0.5%	0.28%
17	Substance reducing KMnO ₄ (as O)	Max. 0.0002% (passes ACS)	0.00005% (passes ACS)

Remark: This product complies as per the specifications of Chemnovo.

This is an electronically generated certificate and is valid without a signature.

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CSPL/QC/F/04