

CERTIFICATE OF ANALYSIS

Product Name	Acetone Analytical Reagent (AR)		
Synonyms	2-propanone, Dimethyl ketone		
CAS No	67-64-1		
Product code	SY00083	Batch No	LACBF0205
Molecular Formula	CH ₃ COCH ₃	Molecular Weight	58.08
Mfg. Date	Feb-26	Expiry Date	Jan-29
Storage Conditions	Store at room temperature, tightly closed container		

Test	Specification	Results
Appearance	Clear colourless liquid	Clear colourless liquid
Water K.F(W/W)	≤0.5%w/w	0.02%w/w
Boiling Point	56 °C	56 °C
IR Spectrum	Identification by structure	Confirmed
Assay by GC	≥99.50%	99.95%
Density (g/ml) @ 20°C	0.79	0.79
Refractive Index (20°C)	1.358 - 1.360	1.359
Non-Volatile Matter	NMT 0.001%	0.0005%
Alkalinity (NaOH)	NMT 0.002%	Nil
Acidity (CH₃COOH)	NMT 0.002%	0.0006%
Formaldehyde	NMT 0.002%	0.002%
Methanol	NMT 0.05%	0.006%
Isopropanol	NMT 0.05%	0.008%

Approved by
Dr. Gopinath PH. D

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