

# PT. SMART LAB INDONESIA

MANUFACTURER OF ANALYTICAL REAGENTS

F/QCL/009 Rev.02

## CERTIFICATE OF ANALYSIS

Product Name : Acetone AR

Mol. Formula :  $(\text{CH}_3)_2\text{CO}$

Mol. Weight : 58.08 g/mol

Catalog No. : A-1005

Cas No : 67-64-1

Batch No. : Sample COA

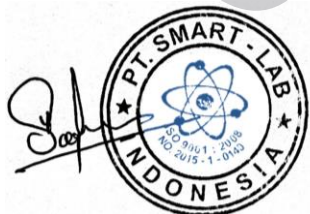
Shelf Life : 60 Months



NO.	TESTS	UNITS	SPECIFICATIONS	RESULTS
1.	Appearance	-	Clear colorless liquid	Clear colorless liquid
2.	Assay (GC)	wt %	min 99.5	99.986
3.	Wt. Per ml at 20 °C	g/cm <sup>3</sup>	0.789 – 0.791	0.791
4.	Colour	Hazen	max 10	< 10
5.	Refractive Index	n <sup>20</sup> <sub>D</sub>	1.3580 – 1.3600	1.359
6.	Solubility in water	-	Passes test	Passes test
7.	Water (H <sub>2</sub> O)	wt %	max 0.25	0.1233
8.	Non-volatile matter	wt %	max 0.0005	0.00036
9.	Acidity (CH <sub>3</sub> COOH)	wt %	max 0.002	0.0011
10.	Alkalinity (NH <sub>3</sub> )	wt %	max 0.0005	0.00032
11.	Aldehyde (H.CHO)	wt %	max 0.002	< 0.002
12.	Methanol (CH <sub>3</sub> OH)	wt %	max 0.05	0.0097
13.	Substances Reducing Permanganate (as O)	wt %	max 0.0002	< 0.0002

Result: The above product corresponds to AR Grade

Reference or standard of product specification to Analar standard and ACS specification



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