

PT. SMART LAB INDONESIA

MANUFACTURER OF ANALYTICAL REAGENTS

F/QCL/009 Rev.02

CERTIFICATE OF ANALYSIS

Product Name : Diethyl Ether AR

Mol. Formula : $(C_2H_5)_2O$

Mol. Weight : 74.12 g/mol

Catalog No. : A-1033

Cas No : 60-29-7

Batch No. : 160623001

Mfg. Date : June, 2023

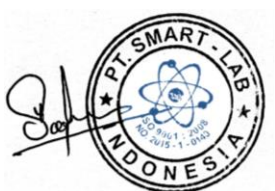
Exp. Date : June, 2028



NO.	TESTS	UNITS	SPECIFICATIONS	RESULTS
1.	Appearance	—	Clear colorless liquid, with characteristic odor	Clear colorless liquid, with characteristic odor
2.	Assay (GC)	wt %	min 99.0	99.890
3.	Color	Hazen	max 10	10
4.	Wt. Per ml at 20 °C	g/cm ³	0.712 – 0.715	0.713
5.	Refractive Index	n ²⁰ _D	1.351 – 1.353	1.352
6.	Water - insoluble matter	—	Passes test	Passes test
7.	Water	wt %	max 0.2	0.0985
8.	Acidity (as CH ₃ COOH)	wt %	max 0.001	0.00076
9.	Residue after evaporation	wt %	max 0.001	0.00072
10.	Aldehydes and ketones (CH ₃ CHO)	wt %	max 0.002	< 0.002
11.	Ethanol (C ₂ H ₅ OH)	wt %	max 0.05	NIL
12.	Methanol (CH ₃ OH)	wt %	max 0.02	NIL
13.	Peroxide (as H ₂ O ₂)	wt %	max 0.0001	< 0.0001
14.	Substances darkened by H ₂ SO ₄	—	passes test	Passes test

Result: The above product corresponds to AR Grade

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



Yuvraj Sagvekar
Manager QC