



# PT. SMART-LAB INDONESIA

## MANUFACTURER OF ANALYTICAL REAGENTS



### CERTIFICATE OF ANALYSIS

Product Name	: Dichloromethane	Molecular Weight	: 84.93 g/mol
Catalog No.	: A-1031	Batch No.	: 010422001
Grade	: Analytical Reagent	Manufacturing Date	: April 01, 2022
Formula	: CH <sub>2</sub> Cl <sub>2</sub>	Expire Date	: April, 2027
Cas No	: 75-09-2		

NO	ITEM TEST	UNITS	SPECIFICATION	RESULT
1.	Appearance	–	Clear colorless liquid	Clear colorless liquid
2.	Assay (GC)	wt %	min 99.5	99.971
3.	Wt. Per ml at 20 °C	g/cm <sup>3</sup>	1.324 – 1.326	1.325
4.	Colour	Hazen	max 10	< 10
5.	Refractive Index	n <sub>D</sub> <sup>20</sup>	1.424 – 1.425	1.425
6.	Water	wt %	max 0.05	0.0326
7.	Non-volatile matter	wt %	max 0.001	0.00072
8.	Acidity (as HCl)	wt %	max 0.001	0.00074
9.	Free chlorine (Cl)	wt %	max 0.0003	< 0.0003
10.	Formaldehyde (HCHO)	wt %	max 0.0001	< 0.0001
11.	Iron (Fe)	wt %	max 0.00001	< 0.00001
12.	Lead (Pb)	wt %	max 0.000005	< 0.000005

Result : The above product corresponds to AR Grade

*Reference or standard of product specification to Analar standard specification*

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Head QC