

CERTIFICATE OF ANALYSIS

F/QCD/FP/12		
Product Name : METHYLENE CHLORIDE – IP Grade		
CAS Number : 75-9-2	Molecular Formula : CH ₂ Cl ₂	Molecular Wt. : 84.9
To:	Date Of Analysis	07.05.2024
	Month Of Manufacturing	06.05.2024
	Expiry Date	05.05.2026
	Batch No.	255/07052024
	Packing	96 x 250 kg Drum of MDC
	Vehicle No.	DN 09 Q 9734
	Date Of Dispatched	07.05.2024

Sr. No.	Characteristics	Standard Value	Result
1	Description	Clear, Colorless mobile liquid having odor resembling with that of methylene chloride	Clear, Colorless mobile liquid having odor resembling with that of methylene chloride
2	SOLUBILITY	Miscible with alcohol, ether and with fixed and volatile oils	Miscible with alcohol, ether and with fixed and volatile oils
3	Specific Gravity at 27/27 °C	1.318-1.322	1.318
4	Distillation Range	NLT 95.0% distile between 39-41 °C	Passes the test
5	Free Chlorine	Passed the Test	BDL
6	Limits of Hydrogen Chloride %W/W	Passes the test	BDL
7	Heavy metals(ppm)	NMT 1	BDL
8	Non volatile residue	NMT 0.002%	0.0017
9	Water	NMT 0.05 %	0.0079

Remarks : The above material meets the requirements stipulated in IP Grade Results displayed as conform to specifications.

This Certificate was electronically produced and is valid without signature.

Epigral Limited

(Formerly known as Meghmani Finechem Limited)

Plant Address:

CH/1, CH/2, GIDC Industrial Estate,
Dahej, Tal.Vagra, Bharuch-392130
Gujarat

CIN L24100GJ2007PLC051717

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CERTIFICATE OF ANALYSIS

F/QCD/FP/12		
Product Name : METHYLENE CHLORIDE		
CAS Number : 75-9-2	Molecular Formula : CH ₂ Cl ₂	Molecular Wt. : 84.9
To:	Date Of Analysis	08.04.2024
	Month Of Manufacturing	07.04.2024
	Date Of Expiry	06.04.2026
	Batch No.	200/08042024
	Packing	96 x250 kg Drum of MDC
	Vehicle No.	MH 04 HY 7894
	Date Of Dispatched	08.04.2024

Sr. No.	Characteristics	Standard Value	Result
1	Appearance	Clear,Colorless Volatile Liquid	Clear,Colorless Volatile Liquid
2	Solubility	Sparingly soluble in water,Miscible with ethanol(96%),ether and with fixed and Volatile oils	Passes Test
3	Identification Identification by GC	a) By relative density b) By Refractive Index c) By Infrared absorption Spectrophotometer. d)A violet color is produced when a solution of Chromo tropic acid,Sodium salt R,Water R and sulphuric acid R is added to the filtrate. e) Test for chloride filtrate obtained in above Test D gives reaction of chlorides	Passes Test Passes Test Passes Test Passes Test Passes Test
4	Acidity : By Tritrimetry	NMT 0.15 ML of 0.1MSodium Hydroxide is required to change the color of the indication to Blue	Natural
5	Relative Density	NLT 1.320-NMT 1.332	1.323

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6	Refractive Index	NLT 1.423-NMT 1.425	1.423
7	Ethanol, 2-methylbut-2-ene and volatile Impurities By GC a) Ethanol b) 2-methylbut-2-ene c) Impurity A CCL4 d) Impurity B CHCL3 e) Total Impurities other than (a) & (b)	NMT 2.0% NMT 300ppm NMT 10ppm NMT 50ppm NMT 0.10%	Nil Passes Test BDL NIL Passes Test
8	Free Chlorine	No blue color develops	NIL
9	Heavy Metals	NMT 1 ppm	NA
10	Residue on evaporation	NMT 20 ppm	18 ppm
11	Water	NMT 0.02%w/w	0.0075%
12	Assay; BY Gas Chromatography	NLT 99.0 % Of CH2CL2	99.98%

Remarks : The above material meets the requirements stipulated in BP
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F/QCD/FP/12		
Product Name : METHYLENE CHLORIDE		
CAS Number : 75-9-2	Molecular Formula : CH₂Cl₂	Molecular Wt. : 84.9
To. Ms:	Inspection Lot No.:	QCD/FP/E/07/01
	Date of Analysis	07.05.2024
	Month Of Manufacturing	06.05.2024
	Retest Date	05.05.2025
	Batch No.	255/07052024
	Packing	96 x 250 kg Drum of METHYLENE CHLORIDE
	Truck/Tanker No.	DN 09 Q 9734
	Date of Dispatch	07.05.2024

Sr. No.	Characteristics	Unit	Standard Value	Result
1	Appearance	--	Clear, Colorless Liquid	Complies
2	Purity by GC	%	99.95 Min.	99.98
3	Acidity as HCl	ppm	<1.0	NIL
4	Moisture	ppm	100 Max.	79
5	Specific Gravity 27/27°C	--	1.314-1.319	1.318
6	Free Chlorine	ppm	NIL	NIL
7	Methyl Chloride	ppm	50 Max.	NIL
8	Chloroform	ppm	50 Max.	NIL

Remark:Results displayed as conform to specifications.

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100, Industrial Estate, Marolhas, Coimbatore, India

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