

CERTIFICATE OF ANALYSIS

PRODUCT NAME : METHYL CHLOROFORMATE

CAS No : 79-22-1 Mol. Formula : C ₂ H ₃ ClO ₂ Mol. WT : 94.5 Date of analysis : 18/09/19	Product code : 16243 Batch No : MCR-19507 Mfd. : Sept. 2019 Exp. : Aug. 2024
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S.R	Test	Specification	Observation
1	Description	A clear colourless liquid.	A clear colourless liquid.
2	Identification A) By gas chromatography	The retention time of the principle peak obtained in the sample solution corresponds to that of the standard solution as obtained in the test for related substances.	Complies
	B) Refractive index at 25⁰C	1.3600 - 1.4000	1.3606
3	Miscibility	Miscible with methanol and methylene chloride	Complies
4	Specific gravity at 25 ⁰ C	1.200 - 1.240g/ml	1.228g/ml
5	Water	NMT 0.5 % w/v	0.42% w/v
6	Related substances(By gas chromatography)		
	Ethyl chloro formate	NMT 0.15%	0.12%
	Impurity at RRT about 1.1	NMT 1.0%	0.24%
	Impurity at RRT about 0.66	NMT 1.0%	0.44 %
	Single maximum unknown impurity	NMT 0.50%	0.28%
	Total impurities	NMT 2.0%	0.91%

REMARK: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

[Tested By]

[QC Incharge]

HEAD-QUALITY ASSUARANCE
(G.G.Salian)

Note: Computer generated image requires no sign.

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