



CERTIFICATE OF ANALYSIS

Date: 01/08/16

PRODUCT NAME : METHYL CHLOROFORMATE

CAS No : 79-22-1
Mol. Formula : $C_2H_3ClO_2$
Mol. WT : 94.5
Exp. : July 2021

Product code : 16243
Batch No : MCR-12042
Mfd. : Aug.2016

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 25 ⁰ C	1.3600 - 1.4000	1.3605
3	Miscibility	Miscible with methanol and methylene chloride	Complies
4	Specific gravity at 25 ⁰ C	1.200 - 1.240g/ml	1.225g/ml
5	Water	NMT 0.5 % w/v	0.42% w/v
6	Related substances(By gas chromatography)		
	Ethyl chloro formate	NMT 0.15%	0.10%
	Impurity at RRT about 1.1	NMT 1.0%	0.20%
	Impurity at RRT about 0.66	NMT 1.0%	0.45 %
	Single maximum unknown impurity	NMT 0.50%	0.28%
	Total impurities	NMT 2.0%	0.9%

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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