

## CERTIFICATE OF ANALYSIS

**Product: Chloroform, Laboratory grade**

**Order No.: 216.05.01000.01**

**Batch No/Lot No:** 216.05.01-E31.21

**Quantity:** 1Lit

**Date of Production:** 31/05/2021

**Retest Date:** 31/05/2023

Row	Test Item	Specification	Results	Reference
1	Description	A colorless volatile liquid.	<b>Conforms</b>	BP2015
2	Solubility	Slightly soluble in water, miscible with absolute ethanol, with ether, with fixed & volatile oils & with most organic solvents.	<b>Conforms</b>	BP2015
3	Identification ( IR)	According to reference standard spectrum	<b>Conforms</b>	BP2015
4	Identification ( GC )	The retention time of the major peak in chromatogram of the related substances preparation corresponds to that in the chromatogram of the Chloroform standard preparation as obtained in the test.	<b>Conforms</b>	In house
5	Distillation range	Not more than 5.0% v/v distils below 60°C and the remainder distils at 60° to 62°.	<b>Conforms</b>	BP2015
6	Density (@ 20 °C)	Between (1.474 - 1.479) g/cm <sup>3</sup>	<b>1.479</b>	BP2015
7	Acidity or alkalinity	The color produced is the same as that produced on adding 0.1 ml of the neutral litmus solution to 5 ml of freshly boiled & cooled water.	<b>Conforms</b>	BP2015
8	Chloride	The solution is clear.	<b>Conforms</b>	BP2015
9	Free chlorine	The lower layer should not show a violet tint.	<b>Conforms</b>	ACS
10	Aldehyde	Not more than a pale yellow color is produced.	<b>Conforms</b>	BP2015
11	Foreign chlorine compounds	No opalescence is produced.	<b>Conforms</b>	BP2015
12	Ethanol	1.0% to 2.0% of ethanol	<b>Conforms</b>	BP2015
13	Nonvolatile residue	N.M.T 0.003 %	<b>0.0005</b>	BP2015
14	Assay	N.L.T 98.0%	<b>99.9</b>	In house

**QC. Manager:** Ms. Iravani

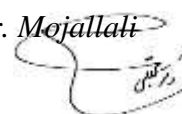
Status:



**QC Approved**

**Qualified Person:** Dr. Mojallali

Date: 02.06.2021



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