



# PT. SMART LAB INDONESIA

MANUFACTURER OF ANALYTICAL REAGENTS

F/QCL/009 Rev.02

## CERTIFICATE OF ANALYSIS

Product Name : Chloroform AR

Mol. Formula :  $\text{CHCl}_3$

Mol. Weight : 119.38 g/mol

Catalog No. : A-1022

Cas No : 67-66-3

Batch No. : 040923007



Mfg. Date : September, 2023

Exp. Date : September, 2028

*Recommended for a plastic container for 6 month from the date of pouring (Expiry date corresponding to label)*

NO.	TESTS	UNITS	SPECIFICATIONS	RESULTS
1.	Appearance	—	A clear liquid with a characteristic odour. Contains about 1% v/v ethanol as preservative	Passes test
2.	Assay (GC)	wt %	min 99.5	99.857
3.	Wt. Per ml at 20 °C	g/cm <sup>3</sup>	1.474 – 1.482	1.477
4.	Colour	Hazen	max 10	< 10
5.	Refractive Index	n <sup>20</sup> <sub>D</sub>	1.444 – 1.448	1.447
6.	Water (H <sub>2</sub> O)	wt %	max 0.05	0.0184
7.	Acidity (HCl)	wt %	max 0.0005	0.00016
8.	Non-volatile matter	wt %	max 0.0005	0.00034
9.	Ionized Chloride (Cl)	wt %	max 0.00002	< 0.00002
10.	Free Chlorine (Cl)	wt %	max 0.0005	< 0.0005
11.	Aldehyde and Ketone (CH <sub>3</sub> CHO)	wt %	max 0.005	< 0.005
12.	Organic impurities	—	passes test	Passes test

Result: The above product corresponds to AR Grade

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



Yuvraj Sagvekar  
Manager QC