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Certificate of Analysis

Product **96764 - Chloroform for molecular biology, 99.8% - [67-66-3]**
Batch No **9051153**
Analysis Date 05-Feb-2024
Date of Manufacture February 2024
Expiry Date/Re-Test Date February 2029
Molecular Formula CHCl₃
Molecular Weight 119.38

Test Parameters	Standards	Actual Results
Appearance (Clarity)	Clear	Clear
Appearance (Colour)	Colourless	Colourless
Appearance (Form)	Liquid	Liquid
Colour (APHA)	max. 10	Passes
Assay (GC)	min. 99.8%	99.97%
Density (g/ml) @ 20°C	1.475 - 1.479	1.475
Refractive Index (20°C)	1.444 - 1.445	1.444
Boiling Range	61 - 62°C	61 - 62°C
Non Volatile Matter	max. 0.0005%	0.0001%
Acidity (HCl)	max. 0.0005%	0.0002%
Metallic impurities	No reaction	No reaction
Substance Discoloured by H ₂ SO ₄	Passes test	Passes
Suitability for use with dithizone	Passes test	Passes
Ionised Chloride (Cl)	max. 0.00002%	Passes
Free Chlorine (Cl)	max. 0.00002%	Passes
Aldehyde & Ketones	max. 0.005%	Passes
Water (KF)	max. 0.01%	0.01%
%T (Transmission) in a 1cm cell v/s H ₂ O		.
@245nm	≥10	14
@250 nm	≥40	49
@255nm	≥65	79
@260nm	≥85	95
@270nm	≥98	100
@280-400nm	≥99	100

FRM/82/11/2/96764 Rev No. 2 Date 20/12/2016

Prepared by **Sujit**

In compliance with the standard specifications of SRL

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