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# Certificate of Analysis

<b>Product</b>	<b>95594 - n-Butyl Chloride (1-Chlorobutane) for HPLC &amp; UV Spectroscopy, 99.5% - [109-69-3]</b>
<b>Batch No</b>	<b>2310203</b>
<b>Analysis Date</b>	29-Jan-2024
<b>Date of Manufacture</b>	January 2024
<b>Expiry Date/Re-Test Date</b>	January 2029
<b>Molecular Formula</b>	C4H9Cl
<b>Molecular Weight</b>	92.58

Test Parameters	Standards	Actual Results
Appearance (Clarity)	Clear	Clear
Appearance (Colour)	Colourless	Colourless
Appearance (Form)	Liquid	Liquid
Assay (GC)	min. 99.5%	99.78%
Density (g/ml) @ 20°C	0.881-0.884	0.881
Refractive Index (20°C)	1.400-1.402	1.400
Boiling Point	77-78°C	77-78°C
Water (KF)	max. 0.05%	0.03%
%T (Transmission) in a 1cm cell v/s H2O		.
@220nm	≥10	16
@225nm	≥30	56
@230nm	≥65	84
@235nm	≥70	95
@240nm	≥90	98
@250 nm	≥95	98
@300nm	≥98	98
@400nm	≥99	100

FRM/82/11/2/95594 Rev No. 1 Date 17/07/2023

Prepared by Akshay

In compliance with the standard specifications of SRL

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