

**CERTIFICATE OF ANALYSIS**  
QUALITY CONTROL LABORATORY

SDFCL-MSF-7.8-01-01 ver.03.2A

Survey no.299 Poicha, Baroda - 391780, Taluka Savli, Baroda, Gujarat

<b>LAB. ID</b>	RM/2223/02047	<b>CERTIFICATE NO.</b>	: 090223/08
<b>NAME OF PRODUCT</b>	: 1,4-BUTANEDIOL LR (for synthesis)		
<b>BATCH NO</b>	: C25A/0823/0902/13	<b>DATE OF REPORTING</b>	: 20/03/2025
<b>PRODUCT CODE</b>	: 37497	<b>SPECIFICATION REF.</b>	: 37497-SP-00
<b>MFG. DATE</b>	: Mar-2025	<b>RETEST DATE</b>	: Feb-2030

CASR NO : 110-63-4

C<sub>4</sub>H<sub>10</sub>O<sub>2</sub>

M.W. : 90.12

TEST	SPECIFICATIONS	RESULTS	TEST METHOD REF.
Description	Clear & Colourless liquid.	Complies	Ph Eur
Solubility	5% in water is clear & Colourless solution.	Complies	Ph Eur
Identification (By FTIR)	Passes test	Complies	
Wt.per ml at 20°C	1.015 - 1.016 g	1.015 g	Ph Eur
Refractive Index (n) <sub>D</sub> 20	1.445 - 1.446	1.445	Ph Eur
Minimum Assay (By GC)	99.0%	99.92%	In House
<b>MAXIMUM LIMIT OF IMPURITIES :</b>			
Water	0.3%	0.006%	Ph Eur

**THE ABOVE BATCH MATERIAL COMPLIES WITH THE PRESCRIBED QUALITY STANDARD AS STATED ABOVE.**

Measured values given in this Certificate of Analysis are the results determined at the time of Analysis.

The above data do not relieve the user from analysing the product upon receipt. Any legally binding assurance regarding the suitability of the product for any particular purpose or use can not be derived thereof.

**The results relate only to the sample tested.**

**This certificate shall not be reproduced except in full, without written consent of the Lab management.**

**This product is manufactured at our manufacturing unit no. 2 (POICHA)**

**For S D FINE-CHEM LIMITED**

**Sampling SOP No./** : SDFCL-POI-SOP-001 √N+1  
**Sampling Plan**

**(Authorised Signatory)**

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(This is a computer printed report, valid without signature)

**QUALITY CONTROL LABORATORY**

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**Manufacturing Unit No.1: E27/E28, MIDC, Tarapur Industrial Area, B-Road, Boisar-401506, Palghar, Maharashtra**  
**Manufacturing Unit No.2: Survey No. 299, Poicha (R)-391 780, Taluka Savli, Baroda, Gujarat**