COCREATE GLOBAL TECHNOLOGIES PRIVATE LIMITED
CIN: U21009KA2023PTC179006
Registered address: L73, Attic Space, 15th Cross Road, Sector 6, HSR Layout, Bangalore Urban- 560102, Karnataka, India.
Email: info@scimplify.com **Website:** www.scimplify.com

CERTIFICATE OF ANALYSIS

Material/Product Name	MALEIC ACID(CIS-BUTENEDIOIC ACID)		
Batch Number	606.26RD003	**Quantity**	500.00 Kg
Mfg. Date	Sep-2026	**Expiry Date**	Aug-2029
CAS No.	110-16-7		

S. No.	Test Parameter	Specification	Result
1	Description	A white or almost white, crystalline powder.	A white crystalline powder.
2	Solubility	Freely soluble in water and in ethanol (96%), sparingly soluble in ether.	Freely soluble in water and in ethanol (96%), sparingly soluble in ether
3	Identification A (By IR)	IR spectra of the sample should be concomitant with IR spectra of the standard.	Complies
4	Identification A (By pH)	The pH of the dilution is less than 2	1.2
5	Identification B (By LC)	The retention time of the maleic acid peak of the sample solution corresponds to that of the standard solution, as obtained in the assay.	Complies
6	Identification B (By TLC)	The principal spot in the chromatogram obtained with test solution (b) is similar in position and size to the principal spot in the chromatogram obtained with reference solution (a).	Complies
7	Identification C	A violet-pink colour develops.	Complies
8	Assay (By LC)	98.0% to 102.0% on the anhydrous basis.	99.7% on the anhydrous basis.
9	Assay (By titration)	99.0% to 101.0% anhydrous substances	99.9% anhydrous substances
10	Appearance of solution	Solution S clear and not more intensely coloured than reference solution Y7	Complies
11	Residue on ignition/ Sulfated ash	Not More Than 0.1%	0.03%
12	Iron	Not More Than 5 ppm.	Less than 5 ppm
13	Fumaric acid (By LC)	Not More Than 1.0%	0.31%
14	Fumaric acid (By TLC)	Not More Than 1.5%	Less than 1.5%
15	Malic acid	Not More Than 0.5%	0.12%
16	Water determination	Not More Than 0.5%	0.2%

----	Prepared By	Reviewed By	Approved By
Name	Anjali Jain	Rahul Arjun Kshirsagar	Bhargava Chowdary Jujjavarapu
Date	17 Oct 2026	17 Oct 2026	17 Oct 2026
Sign	Anjali Jain Anjali Jain (17 Oct 2026 11:28 AM IST)	Rahul Arjun Kshirsagar Rahul Arjun Kshirsagar (17 Oct 2026 12:54 PM IST)	Bhargava Chowdary Jujjavarapu Bhargava Chowdary Jujjavarapu (17 Oct 2026 01:41 PM IST)

**This document has been reviewed and approved by electronic signature.*

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Remarks	The material complies with the above specification
Storage Condition	Well closed container. Store in segregated, well-ventilated and approved area. Keep container tightly closed. Avoid all possible sources of ignition.

----	**Prepared By**	**Reviewed By**	**Approved By**
Name	Anjali Jain	Rahul Arjun Kshirsagar	Bhargava Chowdary Jujjavarapu
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