

CERTIFICATE OF ANALYSIS

Product Name	Malic Acid	Specification	Company Standard
Cas No.	97-67-6	Manufacture Date	2024.9.8
Quantity	500KG	Analysis Date	2024.9.14
Batch No.	ES-240908	Expiry Date	2026.9.7
Items	Specifications	Results	
Appearance	White Crystalline Powder	Conforms	
Assay	99.0%-100.5%	99.6%	
Odor & Taste	Characteristic	Conforms	
Identification	Positive	Conforms	
Specific Rotation(25°C)	-0.1 to +0.1	0	
Ignition residue	≤0.1%	0.06%	
Fumaric acid	≤1.0%	0.52%	
Maleic acid	≤0.05%	0.03%	
Water Insoluble	≤0.1%	0.006%	
Heavy Metals	≤10.0ppm	Conforms	
Pb	≤1.0 ppm	Conforms	
As	≤1.0 ppm	Conforms	
Cd	≤1.0 ppm	Conforms	
Hg	≤0.1 ppm	Conforms	
Total Plate Count	≤1000cfu/g	Conforms	
Yeast & Mold	≤100cfu/g	Conforms	
E.coli	Negative	Negative	
Salmonella	Negative	Negative	
Staphylococcus	Negative	Negative	
Conclusion	This sample meets the specifications.		

Conclusion: Approved

Tested by: Zhang Xiaoxuan

