



CERTIFICATE OF ANALYSIS

Product Name	Malic acid E296
Batch Number	KOGE0692
Origin	Korea
Date of Production	2023.10.18
Best Before	2027.10.17

Physical & Chemical Characteristics

Analysis Item	Specification	Result
Appearance	White or nearly white crystalline powder	Conforms
Taste & Odor	Strongly acid taste, odorless	Conforms
Purity	>99.5%	99.82%
Melting Point (°C)	127–132	130.1
Moisture (%)	<0.4	0.24
Sulphated Ash	<0.05	0.006
Fumaric Acid (%)	<1.0	0.73
Maleic Acid (%)	<0.05	0.03

Heavy Metals

Analysis Item	Specification	Result
Heavy Metals (ppm)	<10	Passed
Arsenic (ppm)	<0.5	Passed
Iron (ppm)	<5	0.5
Lead (ppm)	<2	Passed
Mercury (ppm)	<1	Passed
Chloride (ppm)	<30	Passed

Quality certificate issued on the basis of Supplier Certificate of Quality