

CERTIFICATE OF ANALYSIS

Product Name: Malic Acid Powder
INCI Name: Achillea millefolium/ Helianthus annuus
Lot No: BPCMAP052023
Best Before: May 2025
Origin: China

Specifications:
 The product meets the specifications of Food Chemicals Codex (FCC) IV and National Formulary (NF) 18.

Identification	As per requirement
Colour (10% water solution max.).....	10 APHA
Specific rotation $[\alpha]_D^{25}$	-0.10° +0.10°
Melting point	130°C
Assay (as DL Malic Acid on dry basis).....	99.0% ~ 100.5%.
Residue on ignition	0.1% max.
Heavy metals (as Pb)	10 ppm max.
Arsenic (as As)	2 ppm max.
Lead (as Pb)	1 ppm max.
Iron	5 ppm max.
Fumaric Acid	1.0% max.
Maleic Acid	0.05% max.
Water insoluble matter	0.1% max.
Moisture	0.3% max.
Optical activity	Inactive
Organic volatile impurities	Meets the requirement

Particle/Mesh Size (Typical):
 99% min. through USS 25 mesh and 5% max. through USS 100 mesh.

For longer shelf life keep it away from direct light, heat and moisture

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