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Certificate of Analysis

分析单

L-Malic acid

L-苹果酸

CAS# : 97-67-6
Lot No.: LA20260105

Items 项目	Specifications 规格	Results 结果
APPEARANCE 外观	WHITE CRYSTAL POWDERS, Has special sour taste 白色结晶或结晶粉末, 有特殊酸味	WHITE CRYSTAL 白色结晶
ASSAY (on C ₄ H ₆ O ₅ basis) 含量 (以 C ₄ H ₆ O ₅ 计)	≥99.0 %	99.24 %
SPECIFIC ROTATION [α] _D ²⁰ °C 比旋光度[α] _D ²⁰ °C	-1.6~-2.6 °	-2.3 °
SULFATE[SO ₄] 硫酸盐[SO ₄]	≤0.02 %	<0.02
CHLORIDE[Cl] 氯化物[Cl]	≤0.004 %	<0.002
ARSENIC [as As ₂ O ₃] 砷(以 As ₂ O ₃ 计)	≤2.0 mg/kg	<2.0
HEAVYMETALS[Pb] 重金属(以 Pb 计)	≤20 mg/kg	<10
LEAD Pb 铅	≤2 mg/kg	<2
FUMARIC ACID 富马酸	≤0.5 %	0.04
MALEIC ACID 马来酸	≤0.05 %	<0.02
STATE OF SOLUTION 澄清度	PASS 通过试验	QUALIFIED 符合
RESIDUE ON IGNITION 灼烧残渣	≤0.10 %	<0.05
OPTICAL PURITY(e.e.%(CHIRAL HPLC) 光学纯度 (e.e.%(CHIRAL HPLC)	≥99.8 %	99.92

Conforms: This product conforms to the quality standard of the enterprise.

