



HANGZHOU DINGYAN CHEM CO., LTD
Tel:86-571-87157530 Fax:86-571-87156470
Email:sales@dingyanchem.com

CERTIFICATE OF ANALYSIS

NO: DYC051903043

Product name	DL-mandelic acid
CAS Number	90-64-2;611-72-3
Molecule Formula	C8H8O3
Batch number	20180923
Manuf. Date;Expiry Date:	2018-09-23;2020-09-22
Testing Date:	2018-09-25

Items	Standard	Result
Appearance	White crystal	White crystal
Solubility	Soluble in water and ether	Soluble in water and ether
Cyanide	Should be absent	Not detected
Assay(Benzene)	≤50ppm	Not detected
Assay(on dry basis)	≥99.0%	99.73%
Melting point	117℃~121℃	118.1℃~119.1℃
$[\alpha]_D^{20}$	±0.25°	0°
Transmittance (10%w/v water)	≥90.0%	95.5%
Residue on ignition	≤0.5%	0.05%
Turbidity	<20NTU	3.15NTU
Moisture	≤0.5%	0.11%

QUALITY CONTROL: *Hangzhou Dingyan Chem Co., Ltd.*
Quality Control *Lucy Tang*
Signature(s)

CHECK: 姚仙娟

INSPECTOR: 刘清风