



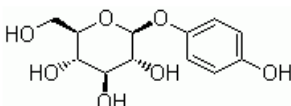
HANGZHOU DINGYAN CHEM CO.,LTD

TEL: 86-571-87157530,86465881,88025800, FAX:86-571-87156470

E-Mail:sales@dingyanchem.com,Web: www.dingyanchem.com

CERTIFICATE OF ANALYSIS

NO: DYC0917030114

Product Name	Alpha Arbutin
CAS Number	84380-01-8
Molecule Formula	C ₁₂ H ₁₆ O ₇
Molecule Structure	
Batch Quantity	100 KGS
Batch Number	16101304
Packing	1 KG/BAG
Mfg. Date	2016-10-13
Testing Date	2016-10-15

Items	Standard	Result
Appearance	White needle crystals or crystalline powder	Conform
Melting point	202. 0~210. 0℃	206. 6℃
Specific rotation	+175. 0~+185. 0°	+179. 2°
Clarity & color (1% aqueous solution)	Transparent & colorless; None suspended matters	Conform
pH	5. 0~7. 0	6. 38
Lead (Pb)	≤10mg/kg	<10mg/kg
Arsenic (As)	≤2mg/kg	<2mg/kg
Mercury (Hg)	≤1mg/kg	<1mg/kg
Loss on drying	≤0. 5%	0. 05%
Residue on ignition	≤0. 5%	0. 05%
Methanol	≤2000mg/kg	<1000mg/kg



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Hydroquinone	Not detectable	Not detected
Total plate count	≤ 1000 cfu/g	< 1000 cfu/g
Yeast & mold	Not detectable	Not detected
Fecal coliforms	Not detectable	Not detected
Pseudomonas aeruginosa	Not detectable	Not detected
Staphylococcus aureus	Not detectable	Not detected
Assay (HPLC)	$\geq 99.5\%$	99.9%
Conclusion	This product conforms to In-house standard.	

Hangzhou Dingyan Chem Co., Ltd.
QUALITY CONTROL *Lucy Tang*

CHECK: 姚仙娟

INSPECTOR: 刘清风