

## Certificate of Analysis

Product Name	Alpha arbutin		
Batch No.	SH20220418	Place of origin	China
Quantity	500kgs	Part of used	Leaves
Manufacture Date	April.18.2022	Expiry Date	April.17.2024

ITEM	SPECIFICATION	RESULT
Assay	99%	99.2%
Appearance	White crystal powder	Conform
Hydroquinone	NMT10ppm	Conform
Melting point	202-210°C	205°C
Specific optical rotation	+175° ~+185°	Conform
Solubility	Soluble in water, slightly soluble in ethanol	Conform
Clarity	Solution should be clarify, none suspended matters	Conform
PH(1% water solution)	5.0~7.0	Conform
Loss on drying	NMT 0.5%	0.2%
Residue on ignition	NMT 0.5%	0.3%
Heavy metals	NMT10ppm	Conform
Lead	NMT2ppm	Conform
Arsenic	NMT2ppm	Conform
Total Plate Count	NMT 100 cfu/mg	Conform
Yeast & Mold	NMT 50 cfu/mg	Conform
E. Coli.	NMT40MPN/100g	Conform
Staphylococcus	Negative	Conform
Packing	Sealed export grade drum & double of sealed plastic bag.	
Conclusion	Product Conforms to Specifications	
Storage	Store in cool and dry place, keep away from strong light and heat.	

Analyst: David Yan



Approved: Li Yu