CERTIFICATE OF ANALYSIS

Product Name:	Alpha Arbutin		
CAS No.:	84380-01-8	Standard:	In-house Standard
Batch Number:	20220312	Manuf. Date:	Mar.12, 2022
Quantity:	300kg	Expiration Date:	Mar.11, 2024
Storage Condition:	Store in a well-closed and dry place with constant room temperature and Non-direct sunlight.		

TEST ITEM	SPECIFICATION	RESULTS
Appearance	White or off-white powder	Conforms
Identification (HPLC)	The retention time is consistent with the standard solution	Conforms
Physical & Chemical Characteristics		
Melting Range	202℃~210℃	203.1℃~204.4℃
pH Value	5.0-7.0	6.12
Residue on ignition	≤0.5%	0.05%
Loss on drying	≤0.5%	0.16%
Specific optical Ratation $[\alpha]D^{20}$	+ 175.0°~+185.0°	+178.68°
Transmittance	≥95.0%	99.5%
Hydroquinone（HPLC）	≤10.0ppm	Conforms
Heavy Metals	≤10.0ppm	Conforms
Arsenic(As)	≤2.0ppm	Conforms
Microbiological Tests		
Total plate Count	≤1000cfu/g	Conforms
Yeast & Mold	≤100cfu/g	Conforms
E.Coli.	Negative	Negative
Salmonella	Negative	Negative
Staphylococcus	Negative	Negative
Assay(HPLC)	≥99.5%	99.97%
Conclusion:	Conform to the In-house Standard.	

Tested by:Tiantian Wang

Approved by:Yulian Liu

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