

Alpha Arbutin

Batch No.	2023100906	Date of manufacture	2023-10-09
Date of analysis	2023-10-09	Expiry date	2025-10-08
Standard	USP		

Test item	Unit	Specification	Result
Assay(HPLC,area)	%	≥99.95	99.99
Hydroquinone	ppm	Negative	Negative
Description	/	white or white-like crystalline powder	Conformed
Melting point	°C	202.0~207.0	205.0~206.0
Specific rotation	°	【α】 ²⁰ _D =+174.0~+186.0	+180.40°
Infra-red peak value	/	1514cm ⁻¹ 1229 cm ⁻¹ 1215 cm ⁻¹ 1059 cm ⁻¹ 1034 cm ⁻¹	Conformed
Solubility	/	Soluble in water slightly soluble in ethanol	Conformed
Clarity	/	Solution should be clarify, nonesuspended matters	Conformed
pH(1% of aqueous)	/	5.0~7.0	5.4
Loss on drying	%	≤0.5	0.04
Residue on ignition	%	≤0.5	0.09
Heavy metal	ppm	≤10	<10
Arsenic	ppm	≤2	<2
Total Plate count	cfu/g	≤100	<10
Molds and Yeast	cfu/g	≤5	<10
E.Coli	/	Negative	Negative
Staphylococcus aureus	/	Negative	Negative
P.aeruginosa	/	Negative	Negative

Tested by:Zhangqiang

