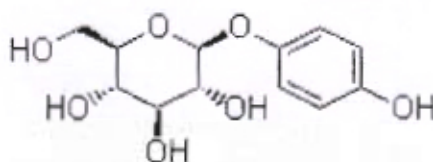




Alpha-Arbutin

Batch no A20200901
Mf date Sep 01 2020
Expiry Aug 31 2022

Molecular Structure



Molecular Formula $C_{12}H_{16}O_7$
Molecular Weight 272.25
CAS Registry Number 84380-01-8

Jan 14 2021

Tests	Specifications	Results
Appearance	White crystalline powder	Conforms
Melting point	203 ~ 207°C	205.1 ~ 206.1°C
Clarity of water solution	Transparency, colorless, no suspended matters	Conforms
pH value of 1% aq solution	5.0 ~ 7.0	6.3
Specific optical rotation $[\alpha]_D^{20}$	+176 ~ +184°	+180.43°
Arsenic	≤ 2 ppm	< 2 ppm
Hydroquinone	≤ 10 ppm	< 10 ppm
Heavy metals	≤ 10 ppm	< 10 ppm
Loss on drying	≤ 0.5%	0.14%
Residue on ignition	≤ 0.5%	0.01%
Pathogen	Bacteria ≤ 100 cfu/g Fungus ≤ 100 cfu/g	< 100 cfu/g < 100 cfu/g
Assay	≥ 99%	99.96%

Packaging & storage	Store in cool & dry place do not freeze, away from strong light
Conclusion	Material complies with in house standard

