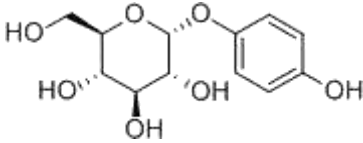


Technical Data Sheet

Basic information

Chemical name	Alpha-arbutin	Formula	C12H17O7
Synonyms	alpha-arbutin;4-hydroquinone-alpha-D-glucopyranoside;a-Arbutin;4-Hydroxyphenyl a-D-glucopyranoside;(2R,3S,4S,5R,6S)-2-(HYDROXYMETHYL)-6-(4-HYDROXYPHENOXY)TETRAHYDROPYRAN-3,4,5-TRIOL	Chemical structure	
CAS.No.	84380-01-8		
EINECS No.	-		
Molecular weight	272.25		

Physical properties

Appearance	White Powder
Melting point, °C	195-196° C
Solubility	Soluble in water, ethanol & other organic solvents.

Specification

Items	Specification	Testing Results
Appearance	White crystalline powder	White crystalline powder
Assay, %	≥ 99.5	99.9
Melting point, °C	202-206 (± 0.5)	203.8-205.2
Specific optical rotation	+174.0° ~+186.0°	+179.40°
Solubility	Soluble in water,slight soluble in ethanol	Confirms
PH (1% water solution)	5.0~7.0	6.1
Loss on Drying, %	≤ 0.5	0.03
Residue on ignition, %	≤ 0.5	0.04
Heavy metals, ppm	≤ 10	< 10
Lead,ppm	≤ 10	< 1.5
Arsenic, ppm	≤ 1	0.0032
Mercury	≤ 1	0.0048
Total Plate count	<1000cfu/g	65cfu/g
Yeast & mold	<50cfu/g	<10cfu/g
Escherichia coli	Negative	Confirms
Staphylococcus aureus	Negative	Confirms
Salmonella	Negative	Confirms

Application

Cosmetics	Arbutin is mainly used for advanced cosmetic as light toner and whitening agent ;Arbutin can be made into skin cream, medicated cream, senior pearl cream, etc., not only beauty, but also can diminish inflammation, fight excitant.
Burn medicine raw materials	Arbutin is a new type of burn medicine ingredient, characterized by rapid analgesic, anti-inflammatory, strong quickly eliminate the redness and swelling, heal quickly without leaving scars.
The treatment of disorders of hyperpigmentation	Such as postinflammatory hyperpigmentation caused by acne, trauma, allergic reactions, infections, injuries, phototoxic reactions, reactions to medications, reactions to cosmetics, and inflammatory diseases.

Package

25kg/drum, 9mt per 20'ft;

Safety on transportation

It belongs to common goods, always refer to MSDS.

Storage and handling

Keep tightly closed, store in a cool dry place.

Please refer to the Materials Safety Data Sheet (MSDS) for the handling methods.

The information above is believed to be accurate and represents the best information currently available to us. However, In no event shall we be liable for any claims, losses, or damages of any third party resulting from its use.

Issue Date: 1st,12,2015