

## PRODUCT DATA SHEET

**Trade Name:** ActiBiso™ Arbutin Pro

**INCI Name:** Alpha-Arbutin

**CAS:** 84380-01-8

### Description

The structure of arbutin and tyrosine is similar, so it has the characteristics of competitive tyrosinase. Through the direct combination of itself and tyrosinase, it competes for the binding site of dopa, inhibits the activity of tyrosine in the skin, blocks the generation of melanin, accelerates the decomposition and excretion of melanin, so as to reduce the deposition of melanin in the skin, remove the spots and freckles, and has no toxic, irritant, sensitizing and other side effects on melanin cells, and has bactericidal effect.

### Quality Parameters

Appearance	White crystalline powder
Clarity of water solution	Transparency, colorless, none suspended matters
Assay %	99.5 min
Loss on drying %	1.0 max
pH	5.0 - 7.0
Specific rotation °	+174 ~ +186
Melting point °C	203 ~ 206±1
Hydroquinone (ppm)	10 max
Residue on ignition %	0.5 max
Heavy metals (ppm) %	10.0 max
Arsenic (ppm)	2.0 max
Total bacteria cfu/g	1000 max
Total yeast and mold count (cfu/g)	100 max



## Bisor Corporation

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### **Storing**

Store in a dry and cool place, sealed and valid for 2 years.

### **Package**

25kg / drum