

PRODUCT DATA SHEET

Trade Name: ActiBiso™ VCG

INCI Name: Ascorbyl Glucoside

CAS: 129499-78-1

Description

ActiBiso™ VCG is a water-soluble form of vitamin C that's combined with glucose, a sugar. It can neutralizes skin-damaging free radicals, inhibits the production of pigment to fade and prevent dark spots, boosts collagen production.

Quality Parameters

Appearance	White crystalline powder without odor
Assay %	98 min
Loss on drying (1g, 105° C, 2 hours) %	1.0 max
Residue on ignition %	0.2 max
Melting point °C	158 - 163
Specific Rotation [α]20 D	+186.0 ~ +188.0
Identification	
Identification of ascorbic acid	The color of solution disappears immediately.
Identification of glucose	Red sediment
Identification of AA-2G	Characteristic absorption recognized at around wave number 3300cm-1, 1770cm-1, 1700cm-1, 1110cm-1 and 1060cm-1.
Purity	
Appearance of solution	Transparent liquid
Color phase (5% solution, 400nm, 10mm)	0.010 max
Heavy metals (as Pb) ppm	20.0 max



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Arsenic (as As₂O₃) ppm

2.0 max

Free ascorbic acid and free glucose %

0.1 max each

Storing

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

Package

1kg / bag