

Taian Green Industry Co., Ltd.

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TECHNICAL DATA SHEETS

1. Product name:
Ascorbyl Glucoside
2. Chemical Name:
AA2G;
Ascofresh;
Ascorbic Acid 2-Glucoside;
L-Ascorbic acid 2-glucoside;
2-O-alpha-D-Glucopyranosyl-L-ascorbic acid
3. CAS No.:129499-78-1
4. MF:C12H18O11
5. MW:338.26
6. Technical specifications

Item	Specifications	Results
Appearance	White to off-white crystalline powder	Conforms
Assay	≥98%	98.2%
Melting point	158°C~163°C	Conforms
Optical rotation	+186°~+188°	Conforms
Loss on drying	≤1%	0.5%
Residue on ignition	≤0.2%	0.08%
Free acid	≤0.1%	0.04%
Heavy metals	≤20ppm	8ppm
As	≤2ppm	Conforms
pH	2.1~2.4	Conforms
Conclusion	The results conforms with enterprise standards	

7. Usage

Ascorbyl glucoside (AA2G for short) is a derivative of vitamin C, which contains glucose stabilizing ingredients. It was first developed by Shiseido and Linyuan

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International in Japan to improve the whitening effect of cosmetics. It is a melanin-inhibiting drug. AA2G is non-reducing and stable than vitamin C under oxidizing conditions . Therefore, AA2G can be conveniently and effectively used in cosmetics, creams and lotions containing AA2G are used on the skin, hydrolyzed by α -glucosidase, and vitamin C is released in a highly biologically active form, making the skin brighter , Healthier and younger. Currently, ascorbyl glucoside is mainly used in whitening, freckle, blemish and sunscreen products, as well as in anti-aging products.

8. Package

25kg/drum