

TECHNICAL DATA SHEET

Effective date: 07.2025

Arbutin

INFORMATION ON SUBSTANCE / MIXTURE

INCI	Alpha-Arbutin
Chemical formula	C ₁₂ H ₁₆ O ₇
Molar mass	272.253 g/mol
Raw material category	Active ingredient used as a skin-lightening agent

TECHNICAL DATA

Physical and chemical parameters

Appearance	Solid, crystalline powder
Color	White
Odor	Characteristic
Assay	Min. 98.0 %
Loss on drying	Max. 2.0 %
Solubility	Soluble in water

Biological parameters

Total plate count	Max. 1000 cfu/g
Yeasts and Molds	Max. 100 cfu/g
Escherichia coli	Absent /g
Staphylococcus aureus	Absent /g
Salmonella	Absent /25g

Impurities

Hydroquinone	Max. 10 ppm
Heavy metals	Max. 10 ppm
Arsenic	Max. 2 ppm
Aluminum	Max. 1 ppm
Cadmium	Max. 1 ppm

TECHNICAL DATA SHEET

Effective date: 07.2025

Arbutin

TRANSPORT, STORAGE and SHELF LIFE

Storage conditions	Store in a cool and dry place, protected from light in tightly closed original container
Shelf Life	Min 24 months under good storage conditions
Transport	-

LEGISLATION

EC No	207-850-3
CAS No	84380-01-8
Regulatory Status	Product complies with Regulation (EU) No. 1223/2009 as amended, under typical conditions of use.
GMO status	Product does not contain genetically modified DNA
Nanomaterial statement	The product and/or its components is not considered to be a nanomaterial meaning an insoluble or biopersistent and intentionally manufactured material with one or more external dimensions, or an internal structure, on the scale from 1 to 100 nm, as defined in Regulation (EC) No 1223/2009 on cosmetic products.
Biodiversity (Nagoya Protocol, CITES)	Based on our current knowledge the product and/or its components is out of scope of the access and benefit-sharing obligations laid down in the Nagoya-Protocol, as implemented by EU-Regulation 511/2014
Volatile Organic Compounds (VOC)	Does not contain any ingredient that, according to the information provided by our suppliers, falls under the definition of Volatile Organic Compound (VOC) as described in Directive 2004/42/CE
Ethanol	Does not contain as ingredient
Gluten- Status	Does not contain gluten
Animal testing	For the purposes of the European Cosmetics Regulation (EC) No. 1223/2009, no animal testing has been carried out by or on behalf of the manufacturer on the product/ingredients after 11th March 2009.
SVHC	Any substance appearing on the candidate list for authorisation and which is contained to more than 0.1 % in the product will be described in Section 3.2 of the updated version of the Safety Data Sheet. As new substances appear on the candidate list updates, the changes will be evaluated and may trigger an update of relevant Safety Data Sheets.
Information for Vegan Assessment	Vegan and Vegetarian suitable. Manufacture does not involve the use of any animal product, by-product or ingredient. This product meets Vegan requirements, but it is not certified.

TECHNICAL DATA SHEET

Effective date: 07.2025

Arbutin

CMR substances	Based on our current knowledge about the raw materials, production process, and equipment used CMR substances according to Annex VI of the CLP Regulation (EC) 1272/2008) are not likely to be present.
----------------	---

DISCLAIMER

All warranty claims in respect to the conformity of our product are subject to our General Terms and Conditions of Sale and Delivery. The data listed above reflects the results of the manufacturer or our supplier quality tests. We do not hereby make any express or implied warranty, whether for specific properties or for fitness for any particular application or purpose. All values are valid for the product when dispatched from the works. We recommend you perform your own quality and or identification checks on receipt.