

Arbutin

INCI Name: Arbutin

CAS Numbers: 497-76-7

Description:



Hydroquinone derivative isolated from the leaves of the bearberry shrub, cranberry, blueberry, some mushrooms, and most types of pears. It inhibits tyrosinase and thus prevents the formation of melanin. Arbutin is therefore used as a skin-lightening agent.

Technical Data:

<i>Test</i>	<i>Specification</i>
Appearance	Whitish Powder
Melting Point	199.0-201.0°C
pH value (1% Solution)	5.0-7.0
Specific Rotation $[\alpha]^{20}_D$	-64° to 66° (C=3)
Loss on Drying	Less than 0.5%
Hydroquinone	None
Heavy Metals (Pb)	Not more than 20 ppm
Arsenic	Not more than 2ppm
Assay (by HPLC)	Not less than 99.5 %
Total Bacteria	not more than 50/gram

Applications:

Arbutin reduces pigmentation in the skin and has been used as a skin-lightening agent since the 1960s. Currently arbutin is combined with other active ingredients in skin-care regimens to treat dark patches from sun exposure, freckles, liver spots and age spots.



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