AKEBIA EXTRACT BG

Solution Corporation Oleo & Speciality Chemicals Div.

New Functional Plant Extract for Skin Moisturizer

• AKEBIA EXTRACT BG is a mixture of 1,3-Butylene glycol and Mokutsu Extract obtained by extracting with water from the stem of Akebia quinata Decaisne or Akebia trifoliata Koidzumi (Lardizabalaceae). The stem of Akebia is known as herbal medicine 'Mokutsu' in Japan. Mokutsu is prescribed for anti-inflammatory, painkilling and diuresis, and applied for a articular rheumatism, neuralgia and menstrual irregularity.

Characteristic

New Concept (Our original ingredient)

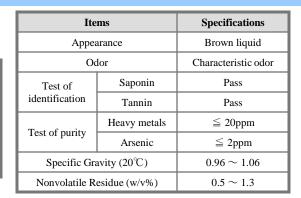
AKEBIA EXTRACT BG enhances the activity of arginase, and increase the production of natural moisturizing factor "**UREA**" by keratinocyte. It has the potential to hydrate the skin from both the outside and the inside.

- Contain Some Useful Components Saponin (hederagenine) and tannin, Sterols(Stigmasterol, βsitosterol etc.) Potassium salts
- **Thoroughly Reviewing Data Obtained from Safety Tests** Human Patch Test, Ocular irritation, Cutaneous irritation, Sensitization, Phototoxicity, Photosensitization, Acute oral toxicity, and Mutagenicity.

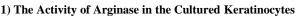
Composition / Specification

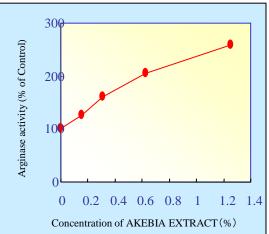
AKEBIA EXTRACT BG consists of Mokutsu Extract and Butylene glycol in the ratio of 70/30 (w/w).

Components	INCI Names	Wt %
Mokutsu Extract	AKEBIA TRIFOLIATA STEM EXTRACT	0.9
	WATER	69.1
1,3-Butylene glycol	BUTYLENE GLYCOL	30.0

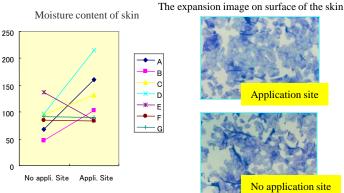


Functionality





2) Daily repeated applications of cream including AKEBIA EXTRACT BG for 2 weeks.



1% AKEBIA EXTRACT cream was applied to human forearm skin twice A day for 2 weeks. The moisture content of the skin was measured by SKICON-200.

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conducctance (uS)

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Bio-Synthesis of Urea by Arginase in Epidermis.