

KUMIS KUCHING EXTRACT BG

Anti-ageing extract made of plant harvested in Okinawa, Japan

- Kumis Kuching is reported to have antiallergic, antihypertensive, anti-inflammatory, and diuretic properties. It is used as a remedy for arteriosclerosis, kidney stones and nephritis. In Japan, the leaves are drunk as tea that lowers blood pressure for a long time.
- KUMIS KUCHING EXTRACT BG is obtained by extracting with 60% 1,3-Butylene glycol from *Orthosiphon stamineus* Benth, and is useful as the beautification and whitening natural ingredient.



1 Characteristic

- **Contains useful polyphenols**
Useful polyphenols such as Rosmarinic acid and Luteolin included in the product efficiently block the release of the stimulating factor of the melanin production (Endothenin-1).
- **Plant harvested in Okinawa, Japan**



2 Information / Composition / Specification

● COMPOSITION

INCI Name	CAS No.	Content
ORTHOSIPHON STAMINEUS EXTRACT	84012-29-3	0.9 %
BUTYLENE GLYCOL	107-88-0	59.5%
WATER	7732-18-5	39.6%

● SAFETY DATA

Acute oral toxicity, Primary skin irritation, Ocular irritation, Skin sensitization, Phototoxicity, Photosensitization, Cumulative application, Reverse mutation (Ames test), Human patch

● SPECIFICATION

Item	Specification
Description	Light yellow-green liquid , Faint characteristic odor
Identification (Polyphenols)	Positive
pH	5.0 – 7.0
Purity (1) Heavy metals	Max. 20 ppm
Purity (2)Arsenic	Max. 2 ppm
Residue on Evaporation	0.6 – 1.2 %

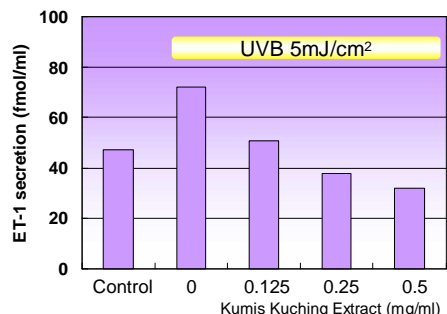
- **PACKAGING:** 1Kg, 2Kg (brown glass bottle)

3 Experimental Data

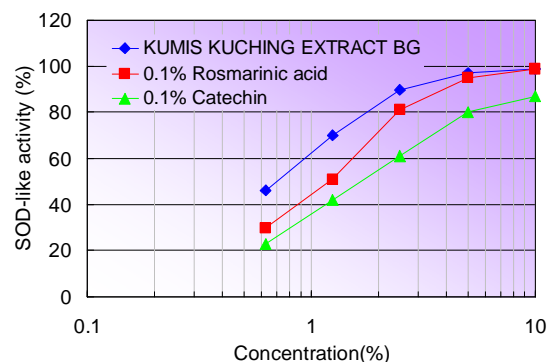
1) Melanin stimulating signal (ET-1) release-inhibition



Endothenin-1 release-inhibition in cultured NHEK



2) SOD-like activity (Antioxidative activity)



KUMIS KUCHING EXTRACT BG exhibited a SOD-like antioxidative activity.