CAMELLIA LEAF EXTRACT BG

NOF CORPORATION
Oleo & Speciality Chemicals Div.

Novel anti-aging ingredient extracted from leaves of *Camellia japonica*.

- **CAMELLIA LEAF EXTRACT BG** obtained by extracting with 50% 1,3-Butylene glycol from Camellia japonica leaves is useful as the beautification and anti-aging natural ingredient.
- *Camellia japonica* is popular as a garden plant with beautiful flowers in Japan, and also known as a symbol of eternal beauty, therefore the extract from the leaves upgrades the cosmetics.

1 Product Features

- **CAMELLIA LEAF EXTRACT BG** is a multifunctional ingredient. CAMELLIA LEAF EXTRACT BG has an excellent antioxidative activity, elastase inhibition activity, estrogenic activity, activator effect on keratinocytes, MMP-2 inhibition activity and promoting effect on collagen production, so anti-aging effect can be expected to be generated.
- **CAMELLIA LEAF EXTRACT BG** is a new natural anti-ageing ingredient extracted from leaves of *Camellia japonica* in Goto islands, Nagasaki, Japan.

2 Information / Composition / Specification

Composition

INCI Names	Content(%)
CAMELLIA JAPONICA LEAF EXTRACT	1.0
BUTHYLENE GLYCOL	49.5
WATER	49.5

Safety Data

1. Acute oral toxicity 2. Primary skin irritation
3. Ocular irritation 4. Skin sensitization
5. Phototoxicity 6. Photosensitization
7. Cumulative application 8. Reverse mutation (Ames)
9. Chromosomal aberration 10.Human patch

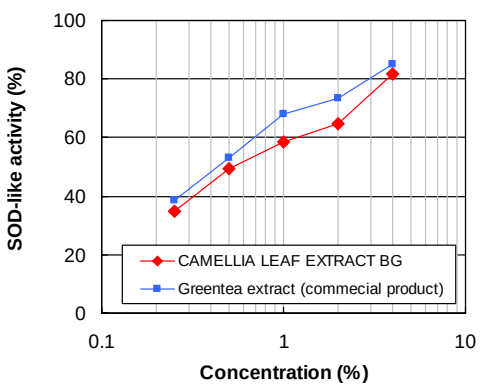
Packaging : 1 kg

Specification

Test Item	Specification
Appearance / Odor	Light brown to brown liquid. Characteristic odor.
Identification (1)	A dark green color develops.
Identification (2)	A red-brown precipitate develops.
Refractive Index	1.380-1.410
Specific Gravity	1.010-1.040
pH	4.0-6.0
Purity(1)Heavy metals	Max. 20ppm
Purity(2)Arsenic	Max. 2ppm
Nonvolatile Residue	0.5～1.5 %
Residue on Ignition	Max. 1.0%

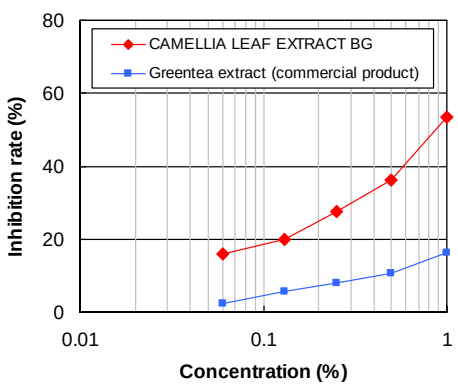
3 Experimental Data

(1) SOD-like activity



CAMELLIA LEAF EXTRACT BG exhibited a antioxidative activity.

(2) Inhibitory effect on elastase activity



CAMELLIA LEAF EXTRACT BG showed an inhibitory effect on elastase activity.

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08/2009