

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

- VERBENA EXTRACT BG is obtained by extracting with 80% 1,3-Butylene glycol solution from *Verbena officinalis* which is cultivated in Okinawa, Japan. Verbena contains verbenalin, and is known to have an anti-inflammatory and a hemostatic action, and is used for emmenagogue, jaundice, diarrhea, blister and women's diseases, etc.



## 1 Product Features

- **Plant harvested in specified farm in Okinawa, Japan.**  
Verbena is cultivated in Okinawa, we are able to trace the source of the product.
- **Antioxidant effect**
- **Anti-inflammatory effect**



Farm and producers

## 2 Composition / Specification / Packaging

### ● Composition

INCI name	CAS No.	Content
VERBENA OFFICINALIS EXTRACT	84961-67-1	0.6 %
BUTYLENE GLYCOL	107-88-0	79.5 %
WATER	7732-18-5	19.9 %

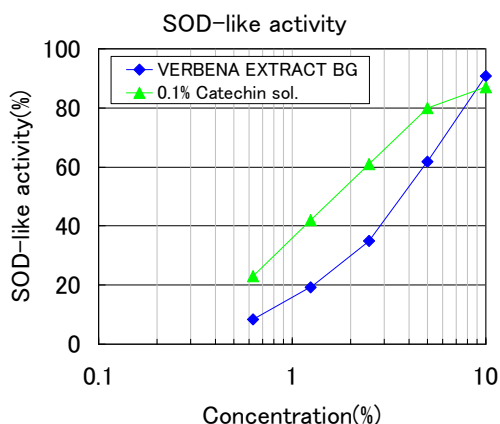
### ● Specification

Item	Specification
Appearance/Odor	Green brown to brown liquid. Characteristic odor.
Identification(Polyphenol)	A dark green color develops.
Identification(Saccharide)	Red precipitation arises.
pH	4.5 - 6.5
Purity(1)Heavy metals	Max. 20 ppm
Purity(2)Arsenic	Max. 2 ppm
Residue on Evaporation	0.2 - 1.0 w/v%

- **Packaging : 1 kg, 2 kg (Brown glass bottle)**

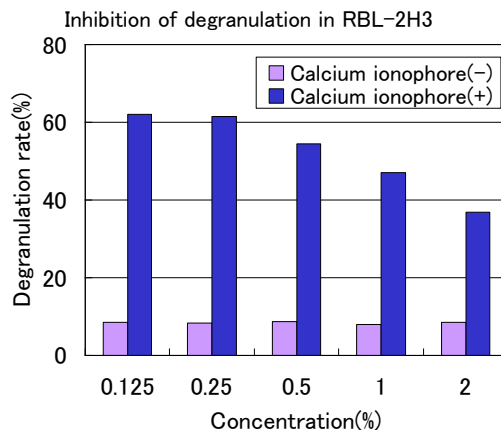
## 3 Experimental Data

### 1) Antioxidant effect



VERBENA EXTRACT BG showed a antioxidant effect.

### 2) Inhibition of degranulation



VERBENA EXTRACT BG showed inhibition of degranulation.