

# PASSION FRUIT EXTRACT BG

New Functional Plant Extract for Beautiful Skin

- PASSION FRUIT EXTRACT BG is obtained by extracting with 1,3-Butylene glycol aqueous solution from the peel of *Passiflora edulis* Smis.  
Passion fruit contains nutritional elements such as  $\beta$ -carotenes and vitamins C and citric acids etc. and is harvested in Okinawa, Japan.  
The passion fruit attracts attention as fruit good for health, and is also eaten as food such as juice and jam.



## 1 Product Features

- **Contains polyphenols**  
PASSION FRUIT EXTRACT BG contains various polyphenols like luteolin glycosides etc. , and have antioxidative effect.
- **Contains amino acids and GABA**
- **Has skin-whitening effect**  
PASSION FRUIT EXTRACT BG has inhibitory effect of endothelin-1 biosynthesis.
- **The passion fruit is harvested in Okinawa, Japan**



## 2 Composition / Specification / Safety Data

### ● Composition

INCI name	CAS No.	Content
PASSIFLORA EDULIS PEEL EXTRACT	91770-48-8	1.2%
BUTYLENE GLYCOL	107-88-0	59.3%
WATER	7732-18-5	39.5%

### ● Specification

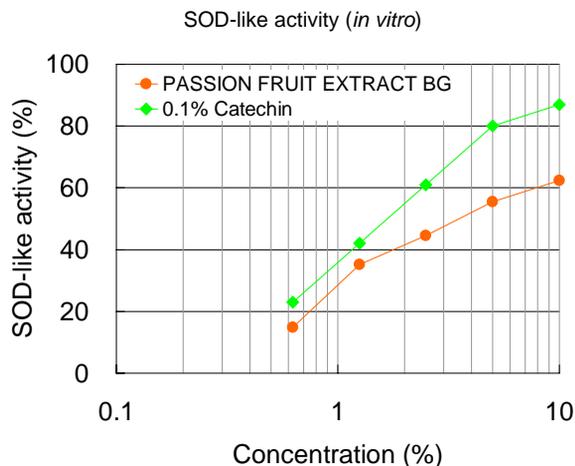
Items	Specification
Description	Light brown to red brown liquid, faint characteristic odor
Identification(1) Amino acid	A blue to purple color develops
Identification(2) Reducing sugar	A red precipitate develops
Purity(1) Heavy metals (ppm)	Max. 20
Purity(2) Arsenic (ppm)	Max. 2
pH	4.0~6.0
Residue on evaporation	0.7~1.7w/v%

### ● 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. Human patch

## 3 Experimental Data

### (1) Antioxidative activity



### (2) Endothelin-1 inhibition

