

ANTI-INFLAMMATORY

ANTI-IRRITATION

PHOTO-PROTECTION

For sensitive skin care

# PORTULACA EXTRACT

INCI NAME : WATER / BUTYLENE GLYCOL / PORTULACA OLERACEA EXTRACT



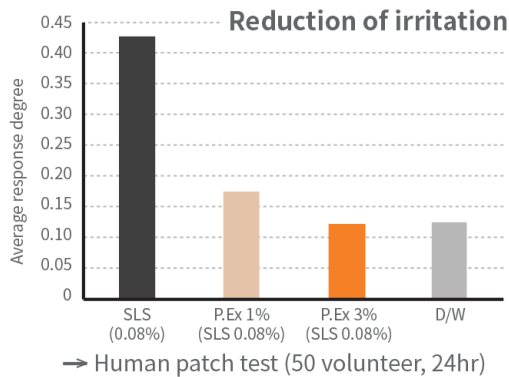
## GENERAL DESCRIPTION FOR RAW MATERIAL

Portulaca is to be derived from the Latin 'porto' to carry and 'lac' meaning milk, since the plant contains a milky juice <sup>[1]</sup>. An extract of the whole plant of Purslane (Portulaca Oleracea L.), a Traditional Chinese Medicine, is well known for its traditional usage to treat burns, earache, insect stings, inflammations, skin sores, ulcers, itching skin, eczema and abscesses. It is also eaten as a salad and vegetable all around the world and used medicinally for a variety of conditions such as headache, painful urination and in postpartum bleeding<sup>[2]</sup>.

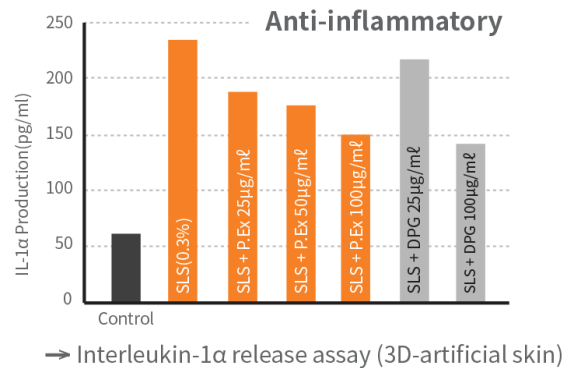
1.[Boulos and el Hadidi, 1984]  
2.[Leung & Foster, 1996].

## EFFICACY

### Anti-irritation



### Anti-inflammatory



## SPECIFICATION

Appearance	Colorless to Light yellow liquid
Odor	Typical
Refractive Index ( $N_D^{20}$ )	1.350 ~ 1.400
pH (1→10)	4.0 ~ 6.0
Specific Gravity (d20/20)	1.000 ~ 1.040
Dry Residue (1g, 110°C, 3hr)	0.2 ~ 0.6%
Total bacterial count	Not more than 100cfu/g
Yeast & molds	Not more than 10cfu/g

## TECHNICAL INFORMATION

### Processing & Dosage

The recommended dosage of PORTULACA EXTRACT is 0.5-5% to obtain a significant anti-inflammatory, anti-irritation and anti-allergy effect. PORTULACA EXTRACT GN is a water soluble active ingredient. In order not to disturb the structure and conformation of the actives it is recommended to incorporate it into formula at the last phase of the formulation at about 40°C.

### Storage & Shelf life

PORTULACA EXTRACT should be stored at room temperature in a tightly closed and lightproof package. If stored in these appropriate conditions the shelf life is at least 24 months. Once the original packing is opened, it is highly recommended to use at once.

### Safety information

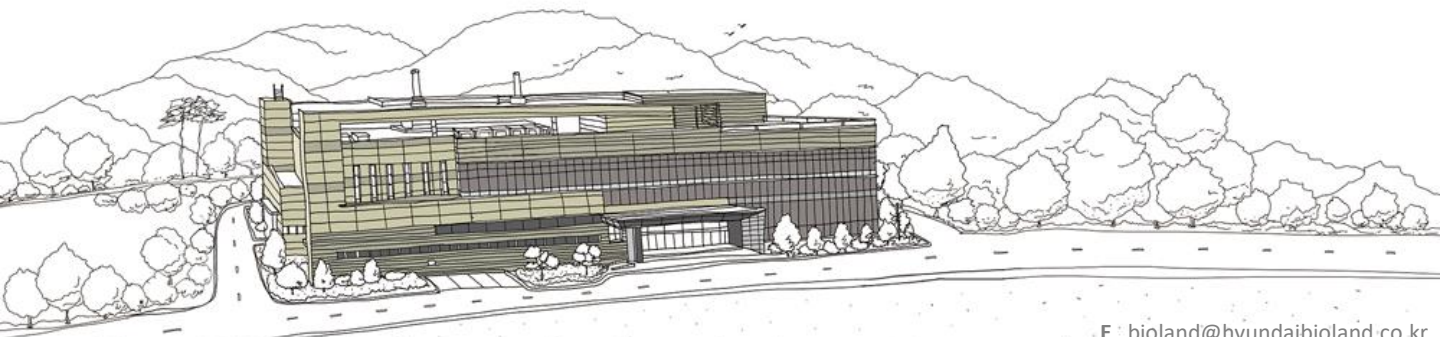
The toxicological profile of PORTULACA EXTRACT was fully assessed in order for the registration as an inactive Quasi Drug in Japan.

- Acute oral toxicity
- Primary cutaneous irritation test
- Continuous cutaneous irritation test
- Eye irritation test
- Guinea pig maximization test
- Reverse mutation test using bacteria
- Chromosome aberration test in cultured cells

## PRODUCT INFORMATION

<b>TRADE NAME</b>	PORTULACA EXTRACT
<b>INCI NAME</b>	COMPOSITION (INCI Key Index)
WATER	A
BUTYLENE GLYCOL	B
PORTULACA OLERACA EXTRACT	F
<b>STANDARD PACKAGE</b>	20KG

INCI Key Index
A : Greater than 50%
B : Greater than 25% but less than or equal to 50%
C : Greater than 10% but less than or equal to 25%
D : Greater than 5% but less than or equal to 10%
E : Greater than 1% but less than or equal to 5%
F : Greater than 0.1% but less than or equal to 1%
G : Less than or equal to 0.1%



The content of this document was established with utmost possible care. However, we reserve the right to add the information, to correct or to delete it without prior notice.