

Natural foaming/cleansing booster with an anti-bacterial effect

# HOCOX

INCI NAME : WATER / BUTYLENE GLYCOL / HOULTUYNIA CORDATA EXTRACT

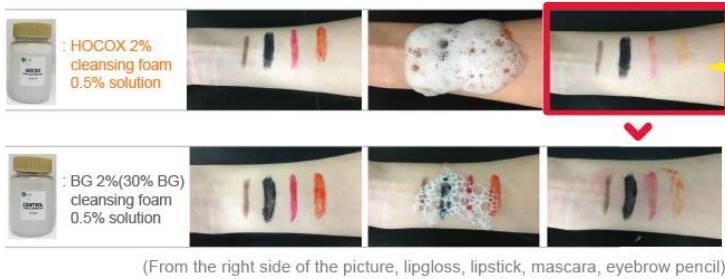


## GENERAL DESCRIPTION FOR RAW MATERIAL

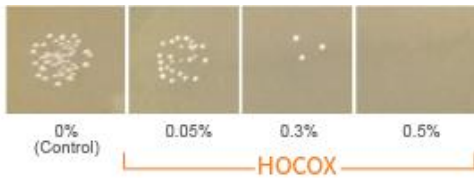
Houttuynia Cordata is also called fishwort or fish mint since its taste and odor is fishy. It contains plenty of nutrients such as fiber, protein and minerals. Fiber content is 12 times higher than that of brown rice, calcium content is 6 times higher than that of rice, and also it contains Vitamin B. According to TCM, Houttuynia Cordata is effective for bacterial disease and was used to eliminate malignant tumor or poison.

## EFFICACY

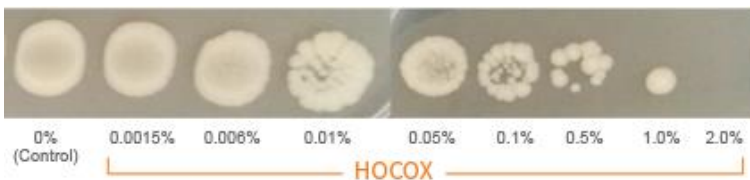
### Detergency test



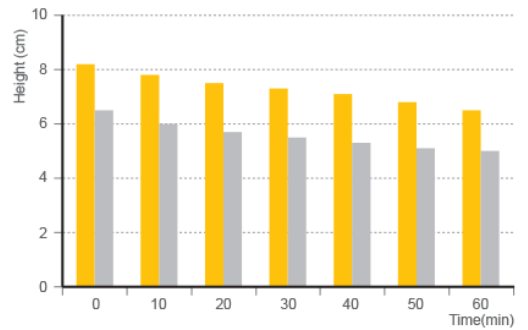
### Anti-bacterial test against S.mutans



### Anti-bacterial test against P.acne



### Foaming force test (Foam Boost)



Component	Mixing ratio (%)
HOCOX	2
Coco-betaine	5
Xanthan Gum	0.03
Water	92.97
TOTAL	100

Component	Mixing ratio (%)
30% BG	2
Coco-betaine	5
Xanthan Gum	0.03
Water	92.97
TOTAL	100

## TECHNICAL INFORMATION

### Processing & Dosage

The recommended dosage of HOCOX is 1.0% ~ 2.0%. HOCOX 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

HOCOX 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

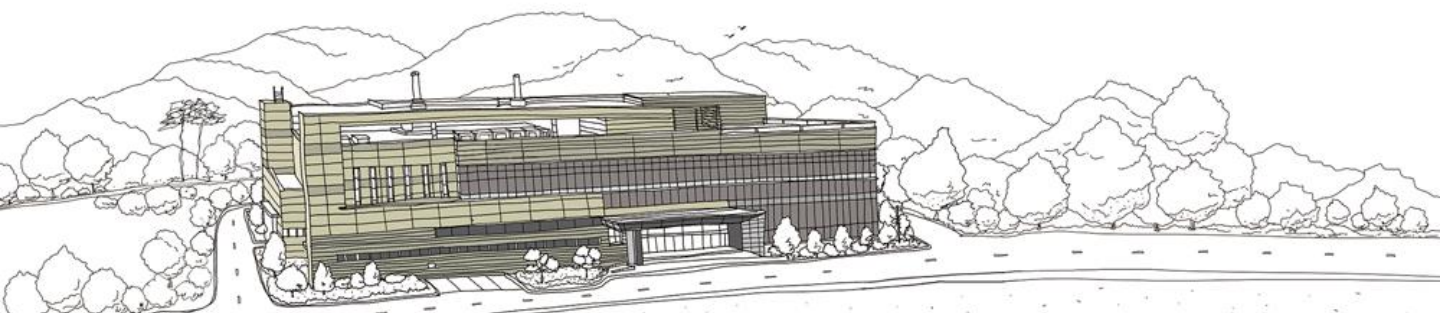
Japanese army always has cultivated Houttuynia Cordata around military camp to use it as antibiotics. Also Houttuynia Cordata is used in traditional Chinese medicine from pneumonia and was used by some Chinese scientists in an attempt to treat SARS. Based on its usage as botanical medicine, Houttuynia Cordata is believed as a safe material for cosmetic use.

## SPECIFICATION

Appearance	Brown ~ Dark brown liquid
Odor	Typical
Refractive Index (N <sub>D</sub> <sup>20</sup> )	1.345 ~ 1.395
pH (Neat)	4.0 ~ 6.0
Specific Gravity (d <sub>20</sub> /20)	1.000 ~ 1.040
Dry Residue	0.8 ~ 1.5%
Total bacterial count	Not more than 100cfu/mL
Yeast & molds	Not more than 10cfu/mL

## PRODUCT INFORMATION

TRADE NAME	HOCOX	INCI Key Index
INCI NAME	COMPOSITION (INCI Key Index)	A : Greater than 50%
		B : Greater than 25% but less than or equal to 50%
WATER	A	C : Greater than 10% but less than or equal to 25%
BUTYLENE GLYCOL	B	D : Greater than 5% but less than or equal to 10%
HOULTUYNIA CORDATA EXTRACT	F	E : Greater than 1% but less than or equal to 5%
		F : Greater than 0.1% but less than or equal to 1%
STANDARD PACKAGE	20KG	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.

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