

# BIORAN NP Series

## Introduction

BIORAN NP Series is a complex natural preservative enriched with **antibacterial substances** through extraction, separation/refining under optimal conditions by screening plants with well-known antibacterial activity.

### Excellent Preservatives

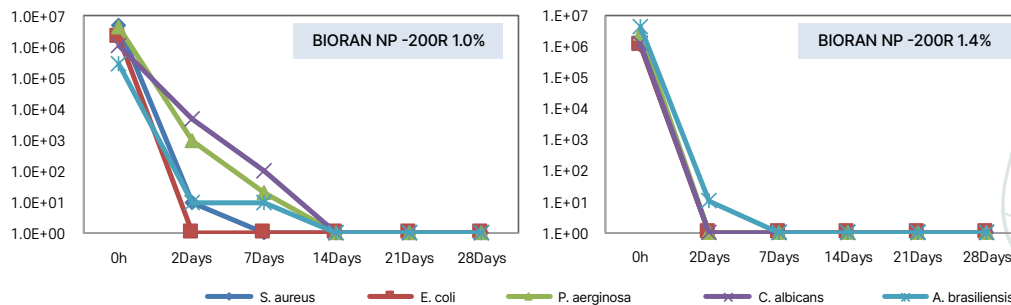
### Safety Concept

### Reasonable Price

Product name	INCI	PK(Kg)	Skin	Cleanser	Feature
BIORAN NP-200R	Water, Glycerin, Lonicera Japonica (Honeysuckle) Flower Extract, Usnea Barbata (Lichen) Extract, Citrus Paradisi (Grapefruit) Fruit Extract, Ocimum Basilicum (Basil) Extract	18	√√	√	<ul style="list-style-type: none"> <li>• Preservative-Free concept, Main skin care preservative, 5 microbes control</li> <li>• Recommend dosage : 0.5 ~ 2.5 %</li> <li>• Excellent storage and Safety</li> </ul>
BIORAN NP-400	Citrus junos Seed Extract, Illicium verum (Anise) Fruit Extract, Scutellaria Baicalensis Root Extract, Citrus paradisi (Grapefruit) Seed Extract	18	√√	√	<ul style="list-style-type: none"> <li>• Preservative-Free concept, Main skin care preservative, 5 microbes control</li> <li>• Recommend dosage : 0.8 ~ 1.5 %</li> <li>• Excellent storage and Safety</li> </ul>

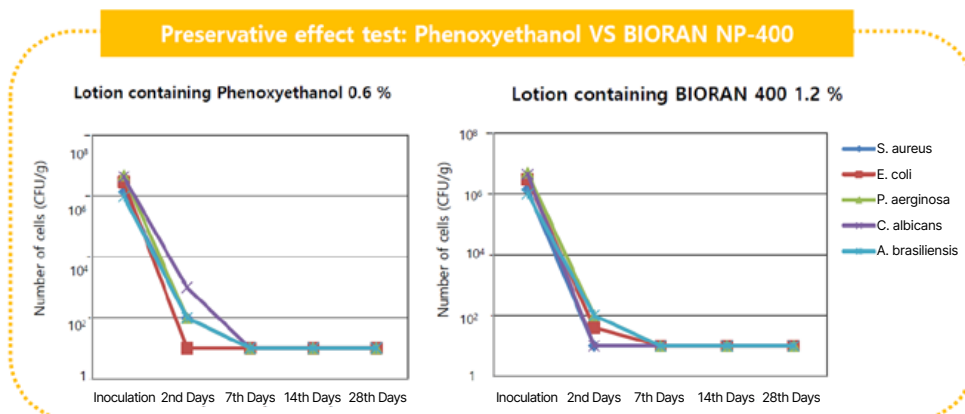
## Efficacy test

### 1. BIORAN NP-200R Efficacy test of preservative effect



Challenge Test: When using over 1% of BIORAN NP-200R, 5 types of microbes are effectively preserved.

### 2. BIORAN NP-400 Efficacy test of preservative effect



Challenge Test: When using over 1.2% of BIORAN NP-400, 5 types of microbes are effectively preserved.