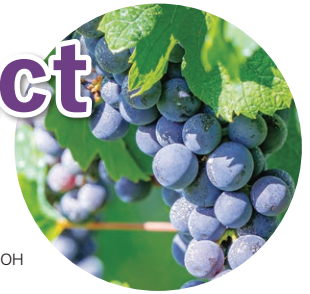
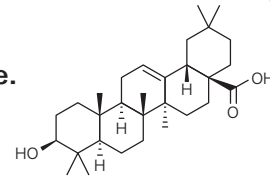


# NIPPN Pomace Extract



## Powder Ingredient including Oleanolic acid

This product is extracted and purified from Japanese grape pomace. This ingredient contains oleanolic acid, which has been recommended for use as oral care.



## Specifications

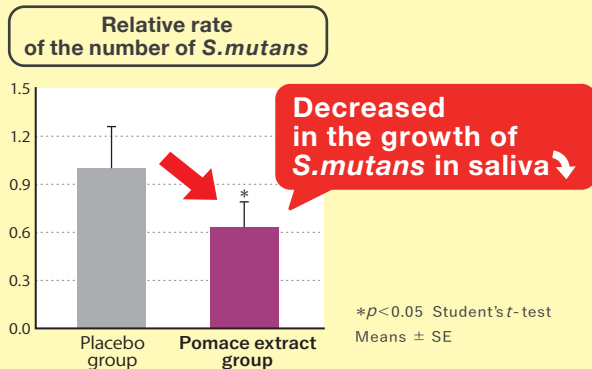
<b>Product Name</b>	<b>NIPPN Pomace Extract GR</b>
Oleanolic acid Content	<b>3 % or more</b>
Packing	1kg
Appearance	Purplish brown fine powder
Total Plate Count	$\leq 1 \times 10^3$ cfu/g
Coliforms	Negative
Lead	$\leq 2$ ppm
Arsenic (as As <sub>2</sub> O <sub>3</sub> )	$\leq 2$ ppm



## Research and Evidences

### Changes in tooth decay bacteria

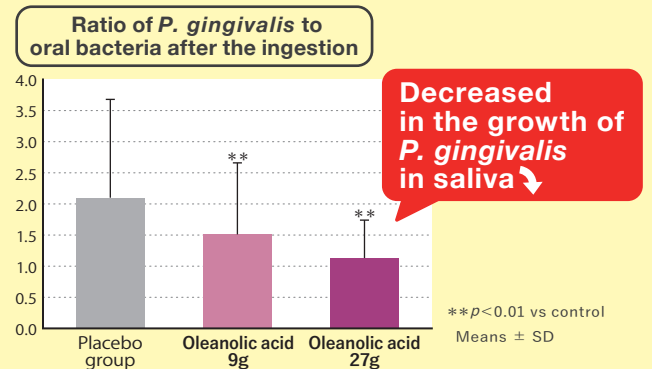
Participants: 29-50 years, 19 subjects, RCT  
 Period of administration: 5 days  
 Dosage: Oleanolic acid 27 mg/day



Source: THE JAPANESE SOCIETY FOR FOOD SCIENCE AND TECHNOLOGY, 58th meeting, 2011

### Changes in periodontal bacteria

Participants: 20-64 years, 84 subjects, RCT  
 Period of administration: Saliva sampling 5 hours after single ingestion  
 Dosage: Oleanolic acid 9 mg/day, 27 mg/day

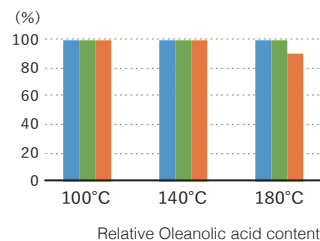


Shimazu K, et al.: in preparation

## Stability test

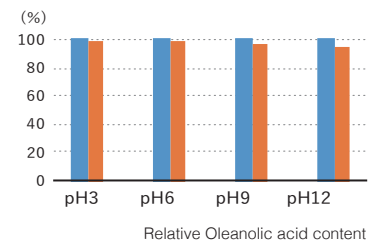
### Heat Stability Test

Pomace Extract boasts high stability against heat. It is suitable products involving sterilization and other heat treatments in processing.



### pH Stability Test

Pomace Extract boasts high stability against pH changes. It can be equally used in processed foods with an acid or alkaline tendency.



Tablets



Chewing gums



Dentifrice



Candies



Gummy candies



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