

# INCI Name Application

## Administrative Information:

**File Number:** 1-07-2011-0845

**Submitted On:** 07/27/11 12:00:00 AM

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**Last Reviewed On:** 11/16/11 12:00:00 AM

**Category:** Ferments

## International Nomenclature Committee Information:

**Anticipated Review Date:** 12/21/11 12:00:00 AM

**Ingredient:** Vegetable Based

**Trade Name:** Lycogen

**Suggested INCI Name:** extract from Rhodobacter sphaeroides WL-APD911

**References:**

**CAS Number:**

**EINECS Number:**

**ELINCS Number:**

**Chemical Synonyms:**

**Genus and Species of Plant:** Rhodobacter sphaeroides

**Identity of Material Fermented:** the bacteria broth contain tryptone, yeast extract and NaCl.

**Process after Fermentation:** The Rhodobacter sphaeroides is cultured in broth. After harvesting, the bacteria broth is centrifuged and washed with ethanol. Then it is centrifuged again by 4500rpm for 5 minutes. After that, the supernatant is removed. This process is meant to break the bacteria. The bacteria residue is extracted with acetone and then centrifuged by 7500rpm for 5 minutes. The supernatant is filtered through filter paper and 0.2um filter into a round flask. The color of the end supernatant is dark red. Acetone is removed completely in oven at 55°C. Store the end crystalloid at room temperature and preserve it in dark.

**Composition Statement:** The lycogen extract contain beta-carotene about 10 to 15%, neurosporene about 10 to 15%, spheroidenone about 35 to 40% and methoxyneurosporene about 35 to 40%.

**Manufacturing Method:** The lycogen extract contain zeta-carotene, neurosporene, spheroidenone and methoxyneurosporene was dissolved in olive oil.

**Solvents or Diluents:** Olive oil;

**Function:** Skin Bleaching Agents

**Other Functions:** anti-inflammation; anti-oxidation; Skin wrinkles;

**Empirical Formula:**

**Chemical Structure:** No

## Attachments (CAS Reports, Literature References, etc.):

Uploaded File Name	Stored File Name
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# INCI Name Application

## Comments

### Personal Care Product Council's Comments:

<u>Sent Date</u>	<u>Close Date</u>	<u>Comments</u>
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### User Responses to Comments:

<u>Date</u>	<u>Comments</u>
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Do you wish to be published in both the "International Cosmetic Ingredient Dictionary" and the "International Buyer's Guide"? Y

INCI Name: Olea Europaea (Olive) Fruit Oil (and) Rhodobacter Sphaeroides Lysate Extract      Assignment Date: 12/21/11