



PECTIN HE NATURAL THICKENER



ADEKA – WHO WE ARE

ADEKA Corporation is a Japanese chemical company with more than a century of experience in the cosmetics and detergents market, having nowadays more than 12 offices, 4 R&D and 15 production sites worldwide.

ADEKA is a global company with polymer additives business organizations in Japan, Korea, Taiwan, Thailand, Singapore, China, India, USA and Europe. With global R&D centers, responsive sales and logistics organizations and a worldwide distribution network, ADEKA offers a broad portfolio of products to customers worldwide.

ADEKA has been present in the surfactants market in Europe for more than 20 years now. In 1999, ADEKA centralized their European sales activities in a new head office, ADEKA Europe GmbH, in Düsseldorf, Germany.

ADEKA has a dedicated Research & Development group equipped with latest technology and modern facilities for testing and evaluation of additives performances, which help to provide innovative solutions to the market.



ADEKA Europe GmbH
Tel: +49 (0) 211 17 92 45-0
E-Mail: info@adeka.eu
Boutique: www.adeka-pcshowroom.eu



OUR DISTRIBUTORS

As a global chemical manufacturing company, ADEKA has established an effective global distribution network, utilizing qualified distributors and serving all targeted markets around the world. The company is fully dedicated to serving our small customers, and the distribution strategy is structured by geographic region.

PECTIN HE THICKENER

What is Pectin ?

PECTIN HE is a complex polysaccharide naturally present in plant cells membrane. PECTIN HE is extracted from citrus fruits. It occurs as a fine white to slightly tan powder. When it comes in contact with water, it hydrates easily and forms a gel-like structure. PECTIN is a polysaccharide a heterogeneous polymer, composed of different sub-structural entities, that vary with the extraction methodology, raw material, location, and other environmental factors.

In cosmetics and personal care products, Pectin is used in the formulation of skin care products, as well as makeup foundations, shampoos, hair conditioners, permanent waves, personal cleanliness products, and other hair products.



COSMOS
APPROVED

PECTIN HE INCI: PECTIN

BENEFITS

- Rheological stable agent
- Synergies with polyol
- Make clear formulations
- Viscosity controller
- Redundant
- Moisturize
- Good stabilizer
- Forms a flexible, continuous layer
- compatible with amphoteric, non-ionic & anionic surfactants



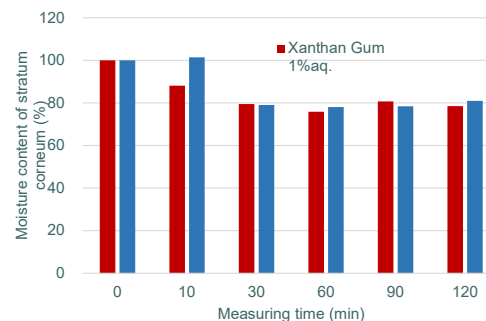
FEATURES

- Sustainable & upcycling ingredient
- 100% Natural
- Cosmos approved
- Non-GMO
- Clean beauty & Vegan



VISCOSITY EFFECT

PECTIN HE provides moisture absorption while being skin friendly

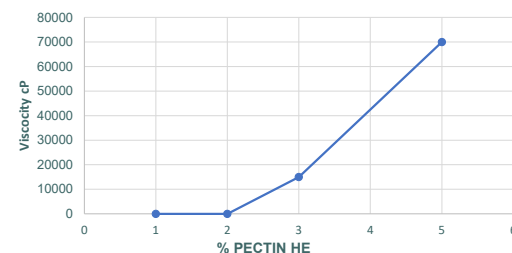


Test condition:

Measuring equipment : SKICON-200 (SKIN SURFACE HYGROMETER)
Room air temperature : 22°C
Humidity : 50%

MOISTURISE-RETAINING PROPERTY

The viscosity of pectin solutions is utilized to evenly distribute and provide non-slimy spreadability of hair conditioners and hair styling products. PECTIN HE can be used to prepare water-in-silicone emulsions, enabling non-wax sticks containing water-soluble active ingredients to be formulated.



COMPABILITY WITH SALTS & SURFACTANTS

PECTIN HE is an anionic polymer, the molecular weight of which can be easily manipulated. PECTIN HE controls viscosity and have rheological properties, depending on the calcium concentration and the calcium reactivity. PECTIN HE is compatible with salts up to 10%. In addition is stable under acid and neutral conditions. PECTIN HE is compatible with anionic, non-ionic and amphoteric surfactants.