# ADEKA 화장품 원료 기타

## -ADEKA COL CC series

| COMPOSITION | PROPERTY | CHARACTERISTICS/USE |
|---|---|---|
| Polyether quaternary ammonium | Transparent liquid | A unique cationic surfactant. Low protein-denaturation rate. Compatible with anionic surfactants. Good fluidity at low-temperature. |

ADEKA COL CC series are clear cationic polyether. It is excellent as conditioning ingredients of the hair care products of the shampoo and the rinse, etc. In addition, it showsthe characteristic with excellent effect of the decrease of cutaneous stimulus and effect etc.of the mixing system of the low temperature liquidity improvement as a cleaning agent raw material.

## -ADEKA LUMINACARE B Series (Black Yeast Derived β-Glucan)

β -Glucan widely exist in nature as an important component to protect the cell wall of organisms and to maintain vital activities. Especially, baker's yeast and black yeast (Aureobasidium pullulans) have been known as microbes to produce β-Glucan in large amounts, and used as sources of β-Glucan for health food and cosmetics uses.

However, β-Glucan has weaknesses, such as insufficient water solubility and unique flavor and coloring; therefore, it is not suitable for direct ingestion and addition to food and cosmetics.

Our "Fermented β-Glucan",β-Glucan produced by black yeast, overcame such weaknesses and has high water solubility, almost no taste and odor, good transparency. This is reliable product because this is made from food materials and produced through processing method appropriate for food production.

***Product Profile and Style of Packing**

| | ADEKA LUMINACARE BLQ-S(Preservative Included Products) |
|---|---|
| COMPOSITION SPECIFICATION | β-1,3-1,6-glucan 0.8%≦ |
| WEIGHT AND STYLE OF PACKING | 1kg or 10kg /Plastic container |
| INCI NAME | AUREOBASIDIUM PULLULANS FERMENTS PHENOXY ETHANOL, ETHYL HEXYL GLYCERINE |

***Application to Food**

β -Glucan can be used widely for health nutrition-conscious foods.

▶Health / dietary supplement (supplement)

▶Various beverages,etc

***Application to Cosmetics**

β -Glucan can be added to variety of cosmetics, such as skin-care products, as a moisturizer, and gives a smooth texture and high moisturizing performance to the cosmetics.

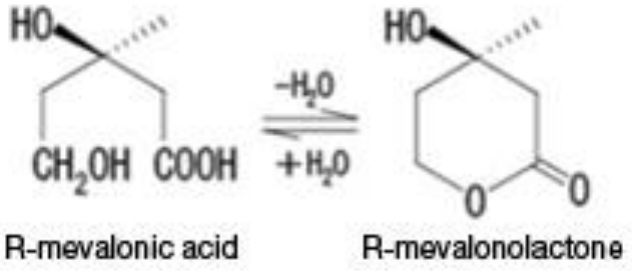
**-ADEKA LUMINACARE Series (Mevalonolactone)**

Mevanolactone is a dehydrated substance of mevalonic acid and turns into mevalonic acid in water.

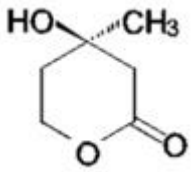
Mevalonic acid is an important substance widely distributing in nature and converted, within living organism, to the various substances called steroids and isoprenoids such as vitamin K, CoQ10 (ubiquinone), cholesterols, squalenes, etc. indispensable for life activities.

Though existing widely in living organism like animals, plants and microorganisms, mevalonic acid could not be utilized as commercial products due to the availability in slight quantities. We succeeded in high volume production of mevalonic acid for the

first time in the world by microorganism culturing and put to market by the name of “Mevalonolactone”.




***Properties**

| | |
|---|---|
| CHARACTERISTICS | Pale yellow to light brown transparent viscous liquid having a faint characteristic odor. |
| FORMULA / MOLECULAR | $C_6H_{10}O_3$ (130.14) |
| CHEMICAL PURITY | 97% or more |
| OPTICAL PURITY | 99 % or more |
| STRUCTURE |  |

***Product Profile and Style of Packing**

| PRODUCT NAME | ADEKA LUMINACARE MVL | ADEKA LUMINACARE MVA |
|---|---|---|
| COMPOSITION SPECIFICATION | 97.0% or more | 97.0% or more |
| WEIGHT AND STYLE OF PACKING | 1kg or 100g / Glass bottle | 1kg or 100g / Glass bottle |
| INCI NAME | MEVALONOLACTONE, PHENOXY ETHANOL | MEVALONOLACTONE |

***Applications**

▶Material of isoprenoid biosynthesis

▶Food additive (Listed in Existing Food Additives)

▶Growth accelerator of specific lactic acid bacteria

**-NATURAL PRESERVATIVE**

SDX 3739 INCI: CAPRYLYL GLYCERYL ETHER

Is a new natural preservation booster with antifungal activity derived from natural raw materials (Coconuts).

Currently, it has been on testing and was developed to be used in conjunction with one of our broad-spectrum antimicrobials.