

AC Milk Hydrolysate



hydrating
gmo free + preservative free
great for skin and hair
hydrolyzed milk protein
rejuvenating
conditions hair

BACKGROUND

We all know that dairy products such as milk are good for us; in fact the National Dairy Council advises that the average person should get 3 servings per day. But the uses for milk far exceed the common morning ritual of adding it to a cup of coffee. Milk is also a great addition to skin and hair care products as well. Milk is an excellent source of calcium and vitamins that can be used to nourish the skin while also delivering much needed moisture therapy. Because of its reputation for “doing a body good”, milk also has great marketing appeal.

When we think of milk, we automatically associate it with calcium, but it’s actually a complex fluid that contains several different types of proteins, such as whey, caseins and globulins, as well as essential fats and sugars, like lactose. Therefore it’s only natural to assume that milk would have supplemental nutritional value that could be used not only as an ingestible dietary resource, but also as a topical nutritional source in cosmetics. AC Milk Hydrolysate contains essential proteins in a hydrolyzed form, which tend to be more stable than normal milk proteins.

SCIENCE

AC Milk Hydrolysate is composed of milk proteins with a molecular weight of approximately 2,000 – 4,000 Da that were hydrolyzed using proteolytic enzymes to give enhanced functional and nutritional properties. There is increasing demand for these lower molecular weight hydrolyzed protein ingredients because they can provide specific nutritional properties for individuals with specialized dietary needs. According to A. Host of the Odense University Hospital, some products containing hydrolyzed milk protein can even be considered “hypo-allergenic”. Hypoallergenic formulas are processed by enzymatic hydrolysis and are further processed using either heat or ultrafiltration techniques. Hydrolyzed milk proteins are typically used in foods for infants with food-allergies and thus are considered to be innocuous. Milk proteins have a great texture, taste and aroma and are an excellent natural source for protein.

Code Number: 20575

INCI Name: Hydrolyzed Milk Protein

INCI Status: Approved

REACH Status: Complies

CAS Number: 92797-39-2

EINECS Number: 296-575-2

Origin: Animal/Synthetic

Processing:

GMO Free

No Ethoxylation

No Irradiation

No Sulphonation

Additives:

Preservatives: None

Antioxidants: None

Other additives: None

Solvent Used: Water

Appearance: Hazy Pale Amber Liquid

Soluble/ Miscible: Water Soluble

Microbial Count: < 100 CFU/g,
No Pathogens

Suggested Use Levels: 1.0 – 5.0%

Suggested Applications: Hair and Skin
Conditioning, Hydration, Rejuvenation

Benefits of AC Milk Hydrolysate:

- Hair and Skin Conditioning
- Hydration
- Rejuvenation

AC Milk Hydrolysate

BENEFITS

AC Milk Hydrolysate provides hydrolyzed milk proteins that are essential for enhancing moisture and can also help to reduce irritation caused by most surfactants. The proteins are isolated by membrane filtration and have excellent solubility and emulsifying properties. **AC Milk Hydrolysate** is non-toxic and non-irritating. Milk products are also known for their dispersion capabilities and whitening control. The hydrolyzed proteins are stable in lower pHs and can be heated up to 70°C, so they can be added to a variety of skin and hair care products that are designed to deliver intense moisturization.