ELASTOCELL®

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Derivate from carboxymethylcysteine
Epidermic cellular renewal factor

Chemical nature Lysine salt of carboxymethylcysteine, 30% aqueous solution

INCI Name (UE) Lysine Carboxymethyl Cysteinate

INCI Name (USA) Lysine Carboxymethyl Cysteinate

N° CAS 79458-68-7

N° EINECS 279-16-42

Physical-chemical data
Appearance: clear solution
Color: from colorless to amber yellow
Odor: very slight,

pH: 6.5 — 7.5
Dry residue at 105°C: 27 – 33 %
Nickel: < 0.2 ppm
(Atomic Absorption)
Density at 20°C: 1.05 - 1.15
Solubility: in water: more than 35%
Slightly in ethanol at 96°C:
Soluble in hydroalcoholic solutions up to 45°

Microbiological specification
Bacteria: ≤ 100 ufc/mL
Moulds and yeasts: ≤ 10 ufc/mL
P. aeruginosa: absent
S. aureus: absent
C. albicans: absent

Methods of analysis
Chromatographic identification and colorimetric determination procedure available upon request
Compatibility
Product is easily mixable in anionic and amphoteric surfactants, in hydrolytes and alcoholytes (up to 40°), in monophase gels and biphasic systems such as O/W and W/O emulsions, without any interference or specific incompatibility. Optimum pH range: 6-8. At values lower than pH 5, some release of sulfur compounds may occur.

Mechanism of action
Due to the presence of the cysteinic group, it shows moisturizing and keratoplastic action on the horny layer in the phase of desquamation. This mechanism permits a quick epidermic removal, stimulating the cellular turnover. Wrinkles are less evident and the cutaneous resilience grows. Skin appears well hydrated.

Indications
Resiliencing, antiwrinkles, moisturizing and smoothing skin treatments. Especially suggested for mature skin with a tendency to muscular relaxation, wrinkles and dry skin.

Intended uses
Temperatures must not exceed 40°C for gels, solutions and O/W emulsifiers.

Suggested dosage
From 5% to 10%

Storage
Keep product cool and away from light (temperature below 25°C). Store in an airtight container. In some cases, a slight precipitate may form but this does not compromise the efficacy of the product.

Mixture Composition
Lysine Carboxymethylcysteinate 30%
Aqua 70%

Preserved with
Product is preserved with Gramben 11* ≤ 1%
(* Propylene Glycol, Diazolidinyl Urea, Methylparaben, Propylparaben)

Toxicological data
1. Oral acute toxicity: non determinable according to the current methods of pharmacological technique
2. Skin irritation: not irritant
3. Eye irritation: not irritant
4. Skin sensitization: not sensitizing

Efficacy data
1. Cutaneous cellular renewal after use:
2. Antiwrinkles - Resiliencing - Moisturizing after use:

Data available upon request