



azienda chimica e farmaceutica

TECHNICAL DATA SHEET

Product: **ALLANTOINA**

INCI NAME Allantoin
CAS 97-59-6
EINECS / ELINCS 202-592-8
FORMULA C₄H₆N₄O₃
MOLECULAR WEIGHT 158,12

| TEST | METHOD | min - max | u.m. |
|--|--------|-------------------------|-------|
| Titolo | | 98,5 - 101,0 | % |
| Identificazione IR | | conforme alla specifica | |
| * Aspetto della soluzione (1 % in acqua) | | conforme alla specifica | |
| * Acidità o alcalinità | | conforme alla specifica | ml |
| * Punto di fusione (con decomposizione) | | >=225,0 | ° C |
| * Rotazione ottica specifica | | -0,10 - 0,10 | ° |
| * Solfati | | <=0,1 | % |
| * Metalli pesanti | | <=0,001 | % |
| * Arsenico | | <=0,0002 | % |
| * Sostanze correlate | | conforme alla specifica | |
| * Sostanze riducenti | | conforme alla specifica | |
| * Ceneri solforiche | | <=0,1 | % |
| Perdita all'essiccamento | | <=0,10 | % |
| * Granulometria (< 75 µm) | | >=95,0 | % |
| * Conta batterica totale | | <=100 | CFU/g |
| * E.coli | | Assente/1g | CFU/g |
| * Pseudomonas aeruginosa | | Assente/1g | CFU/g |
| * Staphylococcus aureus | | Assente/1g | CFU/g |
| * Candida albicans | | Assente/1g | CFU/g |
| * Salmonella | | Assente/10g | CFU/g |
| * Aspetto | | Polvere Bianca | |
| * pH (sol 0.5%) | | 4,0 - 6,0 | |
| Rev. | | 1 | |
| Approval Date | | 10/09/2013 | |

* saggi non obbligatori



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REGULATIONS EU

Allowed, no restrictions according to the EEC Cosmetic Directive 76/768/EEC

USA

Category I, OTC Skin Protectan Monograph

JAPAN

Allantoin is not specifically regulated according to the New Cosmetic Standards, enacted by April 1st, 2001 by the Ministry of Health and Welfare (MHW)

Allantoin can be used for cosmetic formulations under the responsibility of the cosmetic manufacturer.

SOLUBILITY

Soluble in water, slightly soluble in in glycerin and propylene glycol, very slightly soluble in ethanol and methanol and practically insoluble in mineral oil, dimethylisobutyl ether and chloroform.

APPLICATION:

- Skin care
- After shave
- Hand care
- Baby care
- Oral care
- Hair care

EXAMPLES OF APPLICATION:

Face, body and hand creams/lotion, moisturizing creams/lotion, face powder, lipsticks and pomades, rouges, make up product, after shave, shaving products, bath products, shampoo, sun protection ecc.

STORAGE Store tightly closed, protected from light.

ADDITIVES:

Antioxidant: not added
Preservatives: not added
Solvent: max 0.2% water
Bleaching agent: not added

IMPURITIES:

Heavy metals: max 15 ppm
Ethylene oxide: not expected from the process
Nitrosamines: < 50 ppb
1,4-dioxan: not expected from the process
Monomer: not expected from the process
Residual solvents: not expected from the process

ORIGIN:

The item is of chemical origin

BSE DECLARATION

The product is based on material which do not originated from animal sources



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GMO DECLARATION

The product does not contain genetically modified organisms (GMOs)

FRAGRANCES (Allergens) according to the 7th Amendment to the European Cosmetics Directive (ppm): not added

CMR classified ingredients: not added

GLUTEN:

Because of the used raw material and/or the manufacturing procedure we do not expect Gluten in the above-mentioned product