

ZKN-06000 Orange

1. Product description / Description du produit

Microcrystallin β -Carotene obtained from the fungus *Blakeslea Trispora* and spray-dried on a food starch / β -Carotene microcrystallin obtenu à partir du champignon *Blakeslea Trispora* et atomisé sur un amidon alimentaire.

2. Legislation / Réglementation

| INCI | CI 40800 | Zea Mays Starch | Tocopherol |
|----------------------------------|-----------------------|------------------------|------------|
| PCPC name | Beta-Carotene | Zea mays (Corn) Starch | Tocopherol |
| CAS No. | 7235-40-7 | 9005-25-8 | 59-02-9 |
| EC No. | 230-636-6 | 232-679-6 | 200-412-2 |
| Colour Index | 40800 | | |
| EU - 1223/2009/EC ^[1] | Annex IV : CI 40800 * | | |
| EU - 231/2012/EU ^[1] | E 160a (iii) | | |
| USA | β -Carotene ** | | |
| JAPAN | β -Carotene *** | | |

* Product type, body part : allowed in all cosmetics. ** exempt from certification ; *** treated as a cosmetic ingredient. [1] including amendments

3. Supported chemical and physical data / Données physico-chimiques supportées

| | | | |
|--|----------------------------|----------------------|--------|
| Appearance / Aspect | Powder / Poudre | | |
| Color / Couleur | Orange / Orange | | |
| Water solubility / Solubilité eau | Dispersible ^[2] | | |
| Oil solubility / Solubilité huiles | Insoluble | | |
| Maximum absorption / Maximum d'absorption (acetone) | 450 (\pm 4) nm | | |
| Pure dye content / Teneur en colorant pur | 8 - 12% | | |
| Sulfated ash / Cendres sulfatées | 0.2% max | | |
| Intermediates, subsidiary colors / Matières colorantes accessoires | Passes test / Conforme | | |
| Heavy metals / Métaux lourds [ICP analysis] | (ppm) | | |
| Lead / Plomb | 0 - 2 | Copper / Cuivre | 0 - 50 |
| Arsenic / Arsenic | 0 - 1 | Barium / Baryum | 0 - 50 |
| Mercury / Mercure | 0 - 1 | Cadmium / Cadmium | 0 - 1 |
| Chromium / Chrome | 0 - 20 | Antimony / Antimoine | 0 - 5 |
| Zinc / Zinc | 0 - 50 | | |

4. Cosmetic properties / Propriétés cosmétiques

^[2]This natural dye imparts a clear water-based solution by using NATPURE SOL, a natural solubilizer / Ce colorant naturel donne une solution aqueuse transparente en utilisant NATPURE SOL, un solubilisant naturel.

5. Suggested uses / Utilisations conseillées

Make-up, skin care, sun care and toiletries products /
Produits de maquillage, de soins, solaires et de toilette 0.0005 - 30%



Clear solution of β -Carotene ^[2]