

Product Identification

AstaReal® EL25
Ver: S3011-07
Date: 29 Aug 2017

Description

AstaReal® EL25 is a red free-flowing powder, containing 2.5% natural astaxanthin. The powder is manufactured by encapsulation of AstaReal® L10.

AstaReal® L10 is an astaxanthin-rich oil produced by non-solvent supercritical carbon dioxide extraction of crushed and spray dried aplanospores of the green microalga *Haematococcus pluvialis*.

Composition

Modified starch: 73.5%
AstaReal® L10: 25%
Astaxanthin: 2.5-2.7% (out of total carotenoids 2.6-2.9%)

| Process Additives | |
|--------------------------|---|
| dl- α -tocopherol | 0.5% (antioxidant added before spray drying) |
| ascorbyl palmitate | 1% (antioxidant added to L10 before mixing with starch) |

Nutritional Values

| | |
|--------------------------------------|------------------------|
| Energy value | 3.1 kcal/g (12.5 kJ/g) |
| Fat, total (as triglycerides) | 18% |
| as saturated fat (fatty acids) | 4% |
| as polyunsaturated fat (fatty acids) | 8% |
| as monounsaturated fat (fatty acids) | 6% |
| Carbohydrates, total | 72% |
| Protein | 0% |
| Moisture | <3% |

Analytical Specifications

| | |
|---------------------------|--|
| Astaxanthin content | Not less than 2.5% |
| as monoesters | 1.9% |
| as diesters | 0.5% |
| free | 0.1% |
| Appearance | Red powder |
| Odour | Mild algal |
| Particle size | 100-800 μ m |
| Drying loss | Less than 3% |
| Heavy metals (Cd, Hg, Pb) | Complies with Regulation (EC) No 629/2008 |
| Microbial purity | Complies with Regulation (EC) No 2073/2005 |

Solubility

The powder is dispersible in water.

Stability and Storage

The product may be stored for 24 months in the unopened original bag at a temperature of maximum 8°C. The best before date is printed on the label. Once opened use content quickly.

Uses

In food supplements. There is no specified dose level for astaxanthin. The user should follow local regulations when deciding the dose level.

Packaging

AstaReal® EL25 is supplied in 1 kg or 10 kg vacuum packages in an air-tight laminated aluminium bag in a cardboard box.

Safety

This product is safe for the intended use. Production and analysis have been carried out in appropriate food manufacturing facilities according to a HACCP-concept (Regulations (EC) No 852/2004 and 853/2004)

AstaReal® EL25 does not contain GMO-DNA. No animal ingredients have been used. The product has not been irradiated.