

## Product Identification

AstaReal® A1010  
Ver: S1010-14  
Date: June 2020

## Description

AstaReal® A1010 is an astaxanthin-rich natural microalgal product, consisting of crushed and spray-dried aplanospores of the green microalga *Haematococcus pluvialis*. The product has been pasteurised.

## Composition

Algal meal

Astaxanthin: 5.0-5.6% (out of total carotenoids 5.2-5.8%)

Process Additives	
d- $\alpha$ -tocopherol (natural vitamin E)	0.6% (antioxidant)
ascorbyl palmitate	0.3% (antioxidant)
silicon dioxide	< 2% (anti-caking agent)
sunflower lecithin	3% (emulsifier)

## Nutritional Values

Energy value	5.2 kcal/g (21.5 kJ/g)
Fat, total (as triglycerides)	42%
as trans-fats (acids)	0.1%
as polyunsaturated fat (acids)	11.6%
Protein	9.5%
Carbohydrates, total	40%
Dietary fibre	27%
Ash	3.1%
Sodium	0.02%

## Analytical Specifications

Astaxanthin content	Not less than 5%
as monoesters	3.9%
as diesters	0.9%
free	0.1%
Appearance	Red powder
Odour	Characteristic algal
Specific weight	400 g/l
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

Astaxanthin is practically insoluble in water.

## Stability and Storage

Astaxanthin is sensitive to air, heat and light. The product may be stored as supplied, vacuum-packed in a laminated bag, up to 36 months at -18°C, up to 6 months in a cold room (<8°C) or up to 3 months at room temperature (<25°C).

## Uses

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

## Packaging

AstaReal® A1010 is supplied in 1 kg or 10 kg air tight vacuum packages consisting of a food grade inner bag in an outer bag, packed 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® A1010 does not contain GMO-DNA. No animal ingredients have been used. The product has not been irradiated.