



Docosahexanoic Acid (DHA) Powder DHA PS20

Product data sheet

Description

Docosahexanoic Acid (DHA) powder

Contains:

Docosahexanoic acid oil, from the fungal specie *Schizochytrium sp. (DHA O65)*, Maltodextrin, Food additive (Starch sodium octenylsuccinate, Sodium ascorbate, Tricalcium phosphate, mono- and distearates of fatty acids, Ascorbyl palmitate, Vitamin E)

CAS No.: 6217-54-5

Country of origin

Docosahexanoic Acid (DHA) Powder is produced in XianNing Hubei, China.

Legislation

This product is in line with Ministry of Health Note 2010 No.3—Novel Food, GB26687-2011, GB14880-2012 and Q/HXH 0002S-2016 Enterprise standard.

Customs Tariff Number

The HS code for Docosahexanoic Acid is 2106909090.

Food Grade, Compound Food Additive

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Specifications

<u>Physical - Chemical Values</u>	<u>Specifications</u>	<u>unit</u>	<u>Test Method</u>
Appearance	Uniform light yellow micro powder.		SOP-10-063
Odor and Taste	Characteristic taste, neutral aroma		SOP-10-063
Physical properties	Uniform particles size, free flowing powder, no impurities or agglomeration.		SOP-10-063
Solubility	Dissolution in 25-45°C water or milk to form a stable emulsion. No sedimentation		SOP-10-063
DHA Content	≥20.0	g/100g	GB5009.168-2016
EPA Content	≤1.0	g/100g	GB5009.168-2016
Protein	<0.1	g/100g	GB5009.5-2016 1st method
Peroxide Value	≤2.5	mmol/kg	GB5009.227-2016
Surface oil	≤1.0	w/w%	SOP-10-081
Moisture	≤5.0	w/w%	GB 5009.3-2016 second method
Ash	≤5.0	w/w%	GB5009.4-2016
Lead	≤0.1	mg/kg	GB5009.12-2010 1st method
Total Arsenic	≤0.1	mg/kg	GB/T 5009.11-2014 1st method
Mercury	≤0.05	mg/kg	GB 5009.17-2014 1st method
Cadmium	≤0.1	mg/kg	GB 5009.15-2014 1st method
Nitrate	≤50	mg/kg	GB5009.33-2016
Nitrite	≤2.0	mg/kg	GB5009.33-2016
Trans fatty acids	≤1.0	g/100g	GB 5009.257-2016
Aflatoxin M1	≤0.5	μ g/kg	GB 5009.24-2016
Melamine	ABS	mg/kg	GB/T22388-2008

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Microbiological values

Total plate count	≤1000	CFU/g	GB 4789.2-2016
Moulds and yeast	≤25	CFU/g	GB 4789.15-2016
Coliform	<0.3	MPN/g	GB4789.3-2016 1st method
E. Sakazakii	Absent	in100g	GB 4789.40-2010
Salmonella	Absent	in 25g	GB 4789.4-2016
Shigella	Absent	in 25g	GB/T 4789.5-2012
Staphylococcus Aureus	Absent	in 25g	GB 4789.10-2016
Haemolytic Streptococcus	Absent	in 25g	GB 4789.11-2014

Additional data *

	Range	unit	Methods
Molecular weight distribution			
<i>Number average molecular weight, Mn</i>	328.5	Dalton	2005 international Standard Atomic Weights
<i>Density per unit of volume (20°C)</i>	0.5-0.7	kg/l	Gravimetry
<i>Particle size</i>	100% through 20 mesh ,95% through 40mesh	%	Standard sieve
<i>Residual oxygen</i>	<1.0	%	<i>Residual oxygen machine</i>

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Nutritional Data *

	<i>Range</i>	<i>Unit</i>	<i>Methods</i>
Protein	0	g/100g	GB 5009.5-2016 Kjeldahl method
Total Fat	46~54	g/100g	GB 5009.6-2016 Hydrolysis-Soxhlet Extraction Method
<i>Saturated fatty acids</i>	3~5	g/100g	EN ISO 15304, GC-FID
<i>Trans fatty acids</i>	≤0.2	g/100g	GB 5009.257-2016
<i>Mono-unsaturated fatty acids total</i>	2~3	g/100g	EN ISO 15304, GC-FID
<i>Poly-unsaturated fatty acid total</i>	30~48	g/100g	EN ISO 15304, GC-FID
<i>Cholesterol</i>	<6	mg/100g	AOAC 994.10 mod., GC/MS
Total carbohydrates	75~85	g/100g	Calculated (Chinese Food Nutrition Label Regulation)
<i>Carbohydrates (available)</i>	75~85	g/100g	Calculated (Chinese Food Nutrition Label Regulation)
<i>Dietary fibre</i>	<0.5	g/100g	GB 5009.88-2014 Gravimetric
<i>Total sugars</i>	45~52	g/100g	AOAC 995.13, modified, HPAE-PAD
Minerals/Vitamins			
<i>Sodium</i>	400~450	mg/100g	ISO 17294-2 2005 mod., ICP-MS
<i>Calcium</i>	200~400	mg/100g	ISO 17294-2 2005 mod., ICP-MS
<i>Iron</i>	0.2~0.3	mg/100g	ISO 17294-2 2005 mod., ICP-MS
<i>Vit A</i>	Not Detected	ug/100g	EN 12823-1 2000(mod.), rp-HPLC-DAD
<i>Vit C</i>	900~1200	mg/100g	HPLC, rp-HPLC-FLD
Energy			
<i>Energy / United States, China, Japan, Australia</i>	12~18	kcal/g	Calculation (Mainland Regulation)
<i>Energy from fat</i>	4.8~7.5	Kcal/g	Calculation (Mainland Regulation)

*: typical values are given for information and should not be considered as contractual.

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Allergens data (*)

(*)In accordance with EU Directive 2007/68/CE Annex IIIA list

	Whether exists in the product (Y / N)
•Gluten and products thereof	N
•Crustaceans and products thereof	N
•Eggs and products thereof	N
•Fishes and products thereof	N
•Peanuts and products thereof	N
•Soybean and products thereof	N
•Lactose and products thereof	N
•Nuts and products thereof	N
•Celery and products thereof	N
•Mustard and products thereof	N
•Sesame seeds and products thereof	N
• Sulphur dioxide at concentration>10mg/kg (expressed as SO ₂)	N
•Lupine and products thereof	N
•Mollusks and products thereof	N
•Milk and products thereof	N

Special Diet Suitability

Suitable for infants and young children?	Yes	Polyunsaturated fatty acids help to promote infants and young children's growth and development of the brain and retina.
Is suitable for strict vegetarians?	Yes	
Is suitable for vegetarians?	Yes	
HALAL certified?	yes	

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Labeling and identification

On each bag is labeled:

- The identification of the supplier,
- The product code and the batch number,
- The net weight.

Each product is identified by the product code and the batch number.

The batch number is an alpha numerical code composed by 8 digits, incremented in a chronological order.

Storage

The expiry date is the manufacturing date + 24 months.

The manufacturing date is written on the product label.

It is recommended to store this product in a dry area (0~10°C) and distant from odorous material.

This product is packaged under nitrogen.

It is recommended to use entire content once opened.

Standard Packaging

1 KG or 5 KG foil bag inner layer conformed to Chinese Food regulation



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HACCP

DHA Powder Flow Chart



Certification

ISO 9001 :2015 certification obtained on 25 February,2018 (certification number CN18/20149)
ISO 22000:2005 certification obtained on 15 February,2018(certification number
F01FSMS1800023)FSSC22000 certification obtained on 15 February,2018(certification number
CN18/20154)HALAL PRODUCT CERTIFICATE (certification number HP 2835-Ch)

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