Algal DHA Powder

DHA ($C_{22}H_{32}O_2$) in microencapsulated algal oil · CAS 6217-54-5 · Microencapsulated algal DHA powder 10%

CATALOG TDS — CONFIRMED IN WRITING AT QUOTATION

CHEMICAL FORM	FORMULA	CAS	PRIMARY ASSAY
Microencapsulated algal DHA powder 10%	DHA ($C_{22}H_{32}O_2$) in microencapsulated algal oil	6217-54-5	≥10.0%
METHOD	**MINIMUM ORDER**	**LEAD TIME**	**STANDARD PACK**
GC	1 kg	1–7 days	1 kg foil pouch · 25 kg fiber drum

DESCRIPTION

Microencapsulated algal DHA powder standardized to ≥10% DHA by GC, for capsules, sticks and beverages where the algal source, the oil load and the oxidation values have to be declared.

SPECIFICATION

PARAMETER	SPECIFICATION	METHOD / NOTE
DHA (GC)	≥10.0%	As stated
Appearance	Off-white to light yellow powder	As stated
Moisture	≤5.0%	As stated
Peroxide value	≤5.0 meq/kg	As stated
p-Anisidine value	≤20.0	As stated
Carrier	Modified starch, declared	As stated
Particle size	≥95% through 40 mesh	As stated
Heavy metals	Pb ≤3 · As ≤2 · Cd ≤1 · Hg ≤0.1 mg/kg	As stated
Microbiology	APC ≤1,000 cfu/g · yeast and mould ≤100 cfu/g · E. coli and Salmonella absent	As stated
Marker set	DHA ≥10.0% (GC)	Identity
Solubility	Dispersible in water; the oil is encapsulated in a starch matrix, not dissolved.	Matrix dependent

APPLICATIONS

- Capsules and tablets
- Powder sticks and drink mixes
- Functional beverages

AVAILABLE FORMS

- 10% powder, 40 mesh
- 20% on request
- Agglomerated on request

- Gummies and chews

PACKING

- 1 kg foil pouch
- 25 kg fiber drum

STORAGE

Store in a cool, dry, well-ventilated area, away from direct sunlight and moisture. Keep the pack closed after sampling. The lot-specific retest date is shown on the batch COA.

DOCUMENTATION RELEASED WITH EACH LOT

- Batch-specific certificate of analysis
- Technical data sheet and safety data sheet
- Allergen, GMO, origin and residual-solvent statements
- Third-party reports on request

Catalog document. This TDS describes the grade we can quote. The final specification, pack and documentation are confirmed in writing before the order. It is not a batch COA and does not report a result for a specific lot.

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