Algal DHA Powder

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

INDICATIVE SPECIFICATION — 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

SPECIFICATION

PARAMETER	SPECIFICATION	METHOD / NOTE
DHA (GC)	≥10.0%	Specification
Appearance	Off-white to light yellow powder	Specification
Moisture	≤5.0%	Specification
Peroxide value	≤5.0 meq/kg	Specification
p-Anisidine value	≤20.0	Specification
Carrier	Modified starch, declared	Specification
Particle size	≥95% through 40 mesh	Sieve
Heavy metals	Pb ≤3 · As ≤2 · Cd ≤1 · Hg ≤0.1 mg/kg	Specification
Microbiology	APC ≤1,000 cfu/g · yeast and mould ≤100 cfu/g · E. coli and Salmonella absent	Specification
Marker set	DHA ≥10.0% (GC)	Identity / ratio
Appearance	Off-white to light yellow, free-flowing powder	Visual
Solubility	Dispersible in water; the oil is encapsulated in a starch matrix, not dissolved.	Matrix dependent
Standard packaging	1 kg foil pouch · 25 kg fiber drum	Food-grade liner

APPLICATIONS

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

AVAILABLE FORMS

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

WHAT TO CONFIRM BEFORE ORDERING

- Name the source and the DHA content: algal DHA 10% powder is not fish oil and is not a 40% oil.
- Ask for peroxide and p-anisidine values on the lot; a DHA assay can pass while the oil has oxidised.
- Confirm the carrier and the oil load; both change the label and the fill weight.
- The algal source is vegetarian, but the allergen and sensory profile still need a matrix trial.

> **Indicative document.** This sheet describes the grade we can quote; it is not a batch COA and does not confirm a result for a specific lot. Final specification, contaminant limits and documentation are agreed in writing before the order. The form, hydrate state, ligand ratio and method are release parameters, not marketing descriptions.

DOCUMENTATION RELEASED WITH EACH LOT

DOCUMENT	CONTENT	SCOPE
Certificate of analysis	Assay, identity, physical parameters, contaminant panel and the release decision for the lot.	Batch-specific
Technical data sheet	Form, hydrate state, CAS, specification ranges, solubility, bulk density, storage and packing.	Product-level
Safety data sheet	Sixteen sections covering hazards, handling, storage, transport and emergency response.	Grade-specific
Allergen and GMO statements	Major allergens, gluten, animal-derived inputs and GMO status.	Batch-specific
Origin and traceability record	Manufacturing site and the link between the lot and the retained sample.	Batch-specific
Residual-solvent statement	The crystallisation system and the solvent class, where applicable.	Batch-specific

HOW TO REQUEST THIS GRADE

01 · BRIEF

Send the target specification, quantity, dosage form and destination market.

02 · COUNTER-SPEC

We confirm what can be matched and the documents available for the grade.

03 · SAMPLE & QUOTE

A sample with its own COA, followed by packing, lead time and terms in writing.

No claim is made here. This sheet does not claim a therapeutic effect, a product certification or a regulatory approval. Health claims belong to the brand that makes them and to the market that authorises them.

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