Flaxseed Oil Powder

Flaxseed oil (ALA $C_{18}H_{30}O_2$) in a starch matrix · CAS 8001-26-1 · Microencapsulated flaxseed oil powder 50%

CATALOG TDS — CONFIRMED IN WRITING AT QUOTATION

CHEMICAL FORM	FORMULA	CAS	PRIMARY ASSAY
Microencapsulated flaxseed oil powder 50%	Flaxseed oil (ALA $C_{18}H_{30}O_2$) in a starch matrix	8001-26-1	≥22.5%
METHOD	**MINIMUM ORDER**	**LEAD TIME**	**STANDARD PACK**
GC	1 kg	1–7 days	1 kg foil pouch · 25 kg fiber drum

DESCRIPTION

Microencapsulated flaxseed oil powder at 50% oil load, standardized to ≥22.5% alpha-linolenic acid by GC, for capsules, sticks and beverages where the ALA content has to be declared.

SPECIFICATION

PARAMETER	SPECIFICATION	METHOD / NOTE
Alpha-linolenic acid (ALA, GC)	≥22.5%	As stated
Oil load	50.0% (declared)	As stated
Appearance	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	ALA ≥22.5% (GC); 50% oil load	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

AVAILABLE FORMS

- 50% oil powder, 40 mesh
- Higher oil load on request

- Functional beverages
- Agglomerated on request

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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