Black Seed Oil

— · CAS — · Cold-pressed black seed oil

CATALOG TDS — CONFIRMED IN WRITING AT QUOTATION

CHEMICAL FORM	FORMULA	CAS	PRIMARY ASSAY
Cold-pressed black seed oil	—	—	50.0–60.0% (GC)
METHOD	**MINIMUM ORDER**	**LEAD TIME**	**STANDARD PACK**
GC fatty acid profile, HPLC thymoquinone and wet chemistry	1 kg	1–7 days	1 kg amber bottle · 25 kg HDPE drum

DESCRIPTION

Cold-pressed black seed oil specified by its linoleic profile and thymoquinone figure with free fatty acid and peroxide limits; the thymoquinone figure and the oxidation state are the specification.

SPECIFICATION

PARAMETER	SPECIFICATION	METHOD / NOTE
Linoleic acid (C18:2)	50.0–60.0% (GC)	As stated
Oleic acid (C18:1)	20.0–25.0%	As stated
Thymoquinone (HPLC)	0.5–2.0%	As stated
Free fatty acid	≤0.50%	As stated
Peroxide value	≤5.0 meq O_2/kg	As stated
Appearance	Clear to slightly hazy oil	As stated
Identification	Fatty acid profile conform	As stated
Moisture	≤0.1%	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	Thymoquinone 0.5–2.0% (HPLC)	Identity
Solubility	Insoluble in water; soluble in fats and in organic solvents.	Matrix dependent

APPLICATIONS

- Softgel capsules
- Oil-based blends

AVAILABLE FORMS

- Oil
- Powder on carrier on request

PACKING

- 1 kg amber bottle
- 25 kg HDPE 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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