Black Seed Oil

— · CAS — · Cold-pressed black seed oil

INDICATIVE SPECIFICATION — CONFIRMED IN WRITING AT QUOTATION

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

SPECIFICATION

PARAMETER	SPECIFICATION	METHOD / NOTE
Linoleic acid (C18:2)	50.0–60.0% (GC)	Specification
Oleic acid (C18:1)	20.0–25.0%	Specification
Thymoquinone (HPLC)	0.5–2.0%	Specification
Free fatty acid	≤0.50%	Specification
Peroxide value	≤5.0 meq O_2/kg	Specification
Appearance	Clear to slightly hazy oil	Specification
Identification	Fatty acid profile conform	Specification
Moisture	≤0.1%	Specification
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	Thymoquinone 0.5–2.0% (HPLC)	Identity / ratio
Appearance	Dark amber to brownish oil	Visual
Solubility	Insoluble in water; soluble in fats and in organic solvents.	Matrix dependent
Standard packaging	1 kg amber bottle · 25 kg HDPE drum	Food-grade liner

APPLICATIONS

- Softgel capsules
- Oil-based blends

AVAILABLE FORMS

- Oil
- Powder on carrier on request

WHAT TO CONFIRM BEFORE ORDERING

- Name the source: black seed oil and black cumin seed oil are the same material; confirm the botanical name.
- Ask for the thymoquinone figure, the fatty acid profile and the peroxide value; the three are not interchangeable.
- The oil is light- and heat-sensitive; the pack and the storage condition belong in the specification.
- Do not use the page as a label or a claim: the finished product's status is a separate legal question.

> **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.

Shaanxi Rainwood Biotech Co., Ltd. · Rm 218, Tangxing Digital Bldg, #6 Tangxing Rd, Xi'an, Shaanxi, China

info@rainwoodbio.com · nutrition.rainwoodbio.com