Squalene

$C_{30}H_{50}$ · CAS 111-02-4 · Squalene, oil

CATALOG TDS — CONFIRMED IN WRITING AT QUOTATION

CHEMICAL FORM	FORMULA	CAS	PRIMARY ASSAY
Squalene, oil	$C_{30}H_{50}$	111-02-4	≥90.0%
METHOD	**MINIMUM ORDER**	**LEAD TIME**	**STANDARD PACK**
GC assay and wet chemistry	1 kg	1–7 days	1 kg amber bottle · 25 kg HDPE drum

DESCRIPTION

Squalene specified at ≥90% by GC with refractive index and iodine value windows; the source, the assay and the unsaturation figure are the specification.

SPECIFICATION

PARAMETER	SPECIFICATION	METHOD / NOTE
Assay (GC)	≥90.0%	As stated
Appearance	Colourless to pale yellow oil	As stated
Identification	GC and refractive index conform	As stated
Refractive index	1.494–1.499	As stated
Iodine value	350–380 g I_2/100 g	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	Squalene ≥90.0% (GC)	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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