

Squalene Liquid – Natural Isolate up to 98% from Olive (*Olea europaea*)

Olea europaea · Oleaceae

DOCUMENT Technical Data Sheet	PRODUCT CODE AP0823	DOCUMENT NO. TDS-AP0823	REVISION 1.0 · 24 October 2026	PRODUCT FORM Botanical Isolate
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1 Product description

Olive extract is produced from the leaf / fruit of *Olea europaea* (Oleaceae family) and supplied as a high-purity natural isolate of Squalene. Available grades: 92%, 98%. Typical sourcing: Spain, Italy, Greece, Tunisia. Intended for B2B formulation in nutraceuticals & supplements, pharmaceutical.

92%

98%

2 Identification

Botanical source	<i>Olea europaea</i> (Oleaceae)
Common name(s)	Olive
Plant part used	Leaf, Fruit
Typical origin	Spain, Italy, Greece, Tunisia
Active substance	Squalene (Unsaponifiables)
CAS number	111-02-4
Molecular formula / weight	C ₃₀ H ₅₀ · 410.7 g/mol
Manufacturing process	Solvent extraction followed by fractional distillation and/or chromatographic purification
Standardisation	92-98% (GC)
Assay method	GC
Pharmacopoeia & standards	Ph. Eur. (EP), EMA herbal monograph, EFSA opinion / novel food

3 Specification

PARAMETER	SPECIFICATION	METHOD
Appearance	Clear oily liquid; pale yellow to golden	Visual
Odour	Characteristic	Organoleptic
Identification	Conforms to reference standard (retention time / spectrum)	HPLC / IR
Assay – Squalene	Not less than the labelled grade (92%, 98%)	GC
Relative density (20 °C)	Report (lot value on CoA)	USP <841>
Refractive index (20 °C)	Report (lot value on CoA)	USP <831>
Water (Karl Fischer)	≤ 0.5%	USP <921>
Residual solvents	Complies with ICH Q3C / USP <467>	GC-HS
Lead (Pb)	≤ 3.0 mg/kg	ICP-MS
Arsenic (As)	≤ 2.0 mg/kg	ICP-MS
Cadmium (Cd)	≤ 1.0 mg/kg	ICP-MS
Mercury (Hg)	≤ 0.1 mg/kg	ICP-MS
Pesticide residues	Complies with USP <561> and Regulation (EC) No 396/2005	GC-MS/MS, LC-MS/MS

Microbiology	Not applicable (anhydrous product); tested on request	—
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Limits above are the standard release specification for this product class. Each lot is released against its Certificate of Analysis, which is the governing document and is available on request.

4 Grades & pack sizes

GRADE	SKU PREFIX	PACK SIZES
92%	AP0823-92	Sample (50 g) · 250 g · 1 Kg · 5 Kg · 25 Kg
98%	AP0823-98	Sample (1 g) · 50 g · 250 g · 1 Kg

5 Packaging

- Samples: amber glass bottle with tamper-evident closure.
- Up to 1 Kg: nitrogen-flushed amber glass, aluminium or HDPE bottle.
- 5 Kg and above: HDPE jerrycan or lacquered steel drum.
- Packaging may vary by lot and is stated on the packing list.

6 Storage & shelf life

- Shelf life: 24 months from date of manufacture in the original, unopened packaging.
- Store tightly closed below 25 °C, protected from light and heat.
- After opening, blanket with nitrogen and use promptly to limit oxidation.

7 Applications

Industries	Nutraceuticals & Supplements, Pharmaceutical
Formulation focus	Blood Sugar & Metabolic Health, Heart & Circulation, Immune Support, Antioxidant & Healthy Ageing

Use levels depend on the finished product and the target market. The customer is responsible for establishing safe and permitted use levels and for any claims made on finished products.

8 Regulatory & compliance

- Pharmacopoeia / standard references: Ph. Eur. (EP), EMA herbal monograph, EFSA opinion / novel food.
- Allergen information: not derived from a source listed in Annex II of Regulation (EU) No 1169/2011.
- Regulatory status for food, supplement, cosmetic or pharmaceutical use (e.g. EU novel food, US NDI/GRAS, FSSAI) must be confirmed by the customer for the intended market and use.

This Technical Data Sheet is issued by CHOLAD PRIVATE LIMITED (trading as Extrakte), C 22/4, 2nd & 3rd Floor, Sector-57, Noida-201301, Uttar Pradesh, India · +91 817 8117 600 · choladco@gmail.com · extrakte.com. The information is given in good faith and reflects our current knowledge of the product; it does not constitute a warranty of properties for any specific application. Refer to the Safety Data Sheet **SDS-AP0823** for hazard, handling and transport information. Certificates of Analysis are issued per lot and are available on request.