

Methyl Salicylate Liquid – Natural Isolate up to 99% from Wintergreen (*Gaultheria procumbens*)

Gaultheria procumbens · Ericaceae

DOCUMENT Technical Data Sheet	PRODUCT CODE AP0524	DOCUMENT NO. TDS-AP0524	REVISION 1.0 · 24 October 2026	PRODUCT FORM Botanical Isolate
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1 Product description

Wintergreen extract is produced from the leaf oil of *Gaultheria procumbens* (Ericaceae family) and supplied as a high-purity natural isolate of Methyl salicylate. Available grades: 95%, 99%. Typical sourcing: United States, China, Nepal. Intended for B2B formulation in nutraceuticals & supplements, pharmaceutical.

95% 99%

2 Identification

Botanical source	<i>Gaultheria procumbens</i> (Ericaceae)
Common name(s)	Wintergreen
Plant part used	Leaf
Typical origin	United States, China, Nepal
Active substance	Methyl salicylate (Monoterpenes & aromatic volatiles)
CAS number	119-36-8
Molecular formula / weight	C ₈ H ₈ O ₃ · 152.15 g/mol
Manufacturing process	Solvent extraction followed by fractional distillation and/or chromatographic purification
Standardisation	95–99% (GC)
Assay method	GC
Pharmacopoeia & standards	USP, Ph. Eur. (EP)

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 – Methyl salicylate	Not less than the labelled grade (95%, 99%)	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
95%	AP0524-95	Sample (50 g) · 250 g · 1 Kg · 5 Kg · 25 Kg
99%	AP0524-99	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	Healthy Inflammation Response

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: USP, Ph. Eur. (EP).
- 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-AP0524** for hazard, handling and transport information. Certificates of Analysis are issued per lot and are available on request.