

Nicotine Liquid – Natural Isolate up to 99.9% from Tobacco (Nicotiana tabacum)

Nicotiana tabacum · Solanaceae

DOCUMENT	PRODUCT CODE	DOCUMENT NO.	REVISION	PRODUCT FORM
Technical Data Sheet	AP0805	TDS-AP0805	1.0 · 24 October 2026	Botanical Isolate

1 Product description

Tobacco extract is produced from the leaf of *Nicotiana tabacum* (Solanaceae family) and supplied as a high-purity natural isolate of Nicotine. Available grades: 99%, 99.9%. Typical sourcing: India, China, United States. Intended for B2B formulation in pharmaceutical.

99% 99.9%

2 Identification

Botanical source	<i>Nicotiana tabacum</i> (Solanaceae)
Common name(s)	Tobacco
Plant part used	Leaf
Typical origin	India, China, United States
Active substance	Nicotine (Other alkaloids)
CAS number	54-11-5
Molecular formula / weight	C ₁₀ H ₁₄ N ₂ · 162.23 g/mol
Manufacturing process	Solvent extraction followed by fractional distillation and/or chromatographic purification
Standardisation	99–99.9% (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 – Nicotine	Not less than the labelled grade (99%, 99.9%)	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-MS
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
99%	AP0805-99	Sample (1 g) · 50 g · 250 g · 1 Kg
99.9%	AP0805-99P9	Sample (1 g) · 50 g · 250 g · 1 Kg

5 Packaging

- Samples: amber glass bottle with tamper-evident closure in a sealed secondary container.
- Up to 1 Kg: nitrogen-flushed amber glass, aluminium or HDPE bottle. UN-approved packaging for dangerous goods.
- 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	Pharmaceutical
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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).
- **Pharmaceutical active:** Contains a pharmacologically active substance that is regulated as a medicine (often prescription-only) in many markets. Supplied only to qualified businesses after a compliance review.
- **California Proposition 65:** Nicotine (developmental toxicity) — listed by the State of California. WARNING: this product can expose you to a listed chemical. www.P65Warnings.ca.gov.
- 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-AP0805** for hazard, handling and transport information. Certificates of Analysis are issued per lot and are available on request.