# Indian Kino Supercritical CO2 Extract (Pterocarpus marsupium) – Full Spectrum

*Pterocarpus marsupium · Fabaceae*

| DOCUMENT | PRODUCT CODE | DOCUMENT NO. | REVISION | PRODUCT FORM |
|---|---|---|---|---|
| Technical Data Sheet | AP1549 | TDS-AP1549 | 1.0 · 24 October 2026 | Supercritical CO2 Extract |

## 1 Product description

Indian Kino supercritical CO2 extract is produced from the bark of Pterocarpus marsupium (Fabaceae family) by extraction with pressurised carbon dioxide, which leaves no solvent residue and keeps heat-sensitive, lipophilic constituents intact. Available grades: Full spectrum. Origin: India. Intended for B2B formulation in nutraceuticals & supplements.

## 2 Identification

| | |
|---|---|
| Botanical source | *Pterocarpus marsupium* (Fabaceae) |
| Common name(s) | Indian Kino |
| Plant part used | Bark |
| Typical origin | India |
| CAS number (botanical extract) | 84604-08-0 |
| Manufacturing process | Supercritical carbon dioxide extraction (solvent-free) |
| Standardisation | Full spectrum (supercritical CO2) |

## 3 Specification

| PARAMETER | SPECIFICATION | METHOD |
|---|---|---|
| Appearance | Viscous oil, paste or semi-solid at 20 °C; yellow to dark brown (characteristic) | Visual |
| Odour | Characteristic | Organoleptic |
| Identification | Conforms (GC fingerprint vs. reference) | GC / GC-MS |
| Grade | Full spectrum | HPLC |
| Relative density (20 °C) | Report (lot value on CoA) | ISO 279 / USP ‹841› |
| Refractive index (20 °C) | Report (lot value on CoA) | ISO 280 / USP ‹831› |
| Acid value | Report (lot value on CoA) | AOCS Cd 3d-63 / Ph. Eur. 2.5.1 |
| Peroxide value | ≤ 10 meq $O_2$/kg | AOCS Cd 8b-90 / Ph. Eur. 2.5.5 |
| Water (Karl Fischer) | ≤ 1.0% | USP ‹921› |
| Residual solvents | None used (solvent-free process) | 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 | — |

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 |
|---|---|---|
| **Full spectrum** | AP1549-FULSPE | 50 g · 225 g · 1 Kg · 5 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.
- May thicken or solidify on cooling; warm gently (≤ 40 °C) and homogenise before use.

## 7 Applications

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|---|---|
| Industries | Nutraceuticals & Supplements |
| Formulation focus | Blood Sugar & Metabolic Health |
| Traditional systems | Ayurveda |

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

- 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-AP1549** for hazard, handling and transport information. Certificates of Analysis are issued per lot and are available on request.