

TUDCA Specification Sheet

Public technical specification for buyer documentation review

Source page: <https://www.naturalbestbio.com/tauroursodeoxycholic-acid-tudca-pd555733448.html>

Document date: 2026-08-01

Field	Specification / note
Ingredient name	Tauroursodeoxycholic acid (TUDCA)
Synonyms	TUDCA; taurourso; taurine-conjugated ursodeoxycholic acid; 2-[[[(3 α ,5 β ,7 β)-3,7-dihydroxy-24-oxocholan-24-yl]amino]ethanesulfonic acid; sodium salt form CAS 35807-85-3
CAS number	14605-22-2 (free acid) · 35807-85-3 (sodium salt)
Machine-readable identifiers	CAS 14605-22-2 — InChIKey BHTRKEVKTKCXOH-LBSADWJPSA-N · PubChem CID 9848818 CAS 35807-85-3 — InChIKey IYPNVUSIMGAJFC-JUWYWQLMSA-M · PubChem CID 46782978
Molecular formula	C 26 H 45 NO 6 S (free acid) · C 26 H 44 NNaO 6 S (sodium salt)
Molecular weight	499.70 g/mol (free acid, anhydrous basis) · 521.69 g/mol (sodium salt)
Assay / purity	99% minimum by HPLC. Salt form, water content and sodium content are stated on the Certificate of Analysis and should be confirmed before label and serving-size work.
Production route	Semi-synthetic: taurine conjugation of ursodeoxycholic acid. Non-animal-sourced routes can be confirmed per lot on request.
Appearance	White to off-white crystalline powder
Solubility	Sodium salt is soluble in water; the free acid is sparingly soluble in water and soluble in ethanol and alkaline aqueous media.
Typical applications	Capsules, tablets and powder blends for B2B nutraceutical manufacturing
Documentation	Certificate of Analysis, specification sheet, heavy metals, microbiological testing, residual solvents, allergen statement, GMO statement, sodium content and stability data
Quality system	ISO 22000:2018, FSSC 22000, HACCP and GMP (certificates provided on request)
Supplier	Nutrition BioTech, 1601 W. Mission Blvd, Suite 103 (DL#29), Pomona, CA 91766, United States

Public disclosure note: This public sheet is prepared from the current NaturalBestBio product-page specification block. It is not a batch-specific Certificate of Analysis. Lot-specific COA and supporting records are available for qualified buyer review when appropriate.

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