

Certificate of Analysis

Product Name: **TUDCA (Tauroursodeoxycholic Acid)**
 Starting Material: **UDCA & Taurine**
 Carrier: **None**
 Country of Origin: **China**
 Batch Number: **Varies**
 Manufacture Date: **Varies**
 Retest Date: **Varies**

Test Results Obtained by PureBulk

ITEMS	SPECIFICATIONS	RESULTS
TUDCA (Tauroursodeoxycholic Acid)	≥98%	98.16%
Arsenic	≤1 ppm	<0.0100 ppm
Cadmium	≤1 ppm	<0.00500 ppm
Lead	≤3 ppm	<0.00500 ppm
Mercury	≤0.1 ppm	<0.00500 ppm
Aerobic Plate Count	≤1000 cfu/g	<20 cfu/g
Coliforms	≤100 cfu/g	<20 cfu/g
<i>E. Coli</i>	Negative	Absent
<i>Staph aureus</i>	Negative	Absent
Yeast & Mold	≤100 cfu/g	<20 cfu/g
<i>Salmonella</i>	Negative	Absent
<i>Pseudo. aeruginosa</i>	Negative	Absent
Conclusion (PureBulk):	This product conforms to standards	

The following information is an indirect translation of information provided from the Manufacturer's Certificate of Analysis, and should not be used solely as an instrument for strict quality control.

ITEMS	SPECIFICATIONS	RESULTS
Appearance	White crystals	Conforms
Identification	A. Infrared identification test	Positive
	B. TLC identification test	Positive
	C. HPLC identification test	Positive
Specific Rotation	+41° ~ +47°	+46.2°
Acidity (pH)	1.3-2.3	1.9
Moisture	6.5% ~ 7.5%	6.82%
Sulphates Ash	≤0.1%	0.03%
Chloride	≤0.02%	Conforms
Sulphate	≤0.05%	Conforms
Impurity		
Taurine	≤0.15%	Conforms
Ursodeoxycholic acid	≤0.4%	Conforms
Taurochenodeoxycholic acid	≤0.8%	Conforms
Other impurity	≤0.4%	
Residual Solvent	Acetone ≤0.5%	Conforms
	Ethyl Acetone ≤0.5%	Conforms
Solubility	Dissolve in methanol, in ethanol, doesn't dissolve in water and acetone.	Conforms
Conclusion (Manufacturer):	This product conforms to enterprise standards	

Additional Information: Non-Allergen || BSE/TSE Free || Gluten-Free

GMO Statement: Non-GMO

Composition: Tauroursodeoxycholic Acid ≥98.0%
Other ≤2.0%

Storage Conditions: **Keep in sealed container under 25°C.**
Keep away from strong light, heat and moisture.

Purebulk.Inc verifies that the information contained herein is true and correct to the best of our knowledge.

Verified By: Candace Gibson / Nicole Rammage

(This document was produced electronically and is valid without signature.)