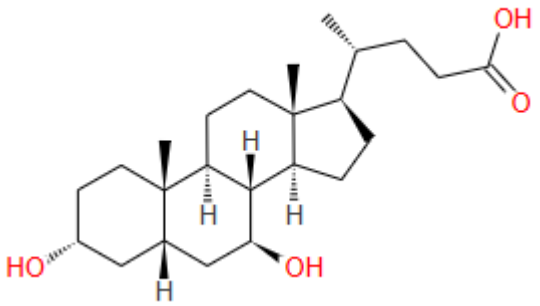
HANGZHOU DINGYAN CHEM CO.,LTD
TEL: 86-571-87157530,86465881,88025800, FAX:86-571-87156470
E-Mail:sales@dingyanchem.com,Web: www.dingyanchem.com

CERTIFICATE OF ANALYSIS

NO: DYC52250901

Product name	Ursodeoxycholic acid
CAS Number	128-13-2
Molecurmula	C24H40O4
Molecule Structure	
Batch number	20250719
Manuf. Date&Exp Date:	2025.07.19&2027.07.18
Testing date	2025.08.10

Items	Standard	Results
Appearance	White or off-white powder	Conforms
Solubility	Freely soluble in ethanol, insoluble in chloroform; freely soluble in glacial acetic acid and soluble in sodium hydroxide solution.	Conforms
Melting Point	200~204°C	200.2~203.3°C
Specific Optical Rotation	+58.0°-+62.0°	+59.6°
Identification		
Chemical Identification	Positive reaction	Conforms
IR Absorption Spectrum	Consistent with reference spectrum (Spectrum Set 534)	Conforms
Chromatographic ID	Retention time of main peak matches that of reference substance	Conforms
Odor	Conforms	Conforms
Chloride	≤ 0.02%	Conforms
Sulfate	≤ 0.05%	Conforms
Related Substances	Chenodeoxycholic Acid (CDCA)≤ 0.5%	Not Detected
	Any Single Impurity≤ 0.1%	0.08%
	Total Impurities≤ 1.0%	0.09%
Lithocholic Acid	≤ 0.1%	Not Detected
Acetone Content	≤ 0.5%	Conforms
Residual Solvents	Isopropyl Alcohol≤ 0.5%	Conforms
	tert-Butanol≤ 0.35%	Conforms
	Triethylamine≤ 0.5%	Conforms

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Nitrogen content	**≤ 0.005%**	**0.0001%**
Loss on Drying	**≤ 1.0%**	**0.02%**
Sulfated ash	**≤ 0.1%**	**0.06%**
Barium Salt	**Conforms**	**Conforms**
Heavy Metal	**≤ 20ppm**	**Conforms**
Arsenic salts	**≤ 0.0002%**	**Conforms**
Microbial Limit	**Total Aerobic Microbial Count≤ 10^3 CFU/g**	**Conforms**
	Total Yeast & Mold≤ 10^2 CFU/g	**Conforms**
	Salmonella Not Detected	**Conforms**
Assay	**99.0%–101.0% (on dried basis, as $C_{24}H_{40}O_4$)**	**99.5%**
Conclusion	**Qualified**	

QUALITY CONTROL: **CHECK:姚仙娟** **INSPECTOR：刘清风**

Hangzhou Dingyan Chem Co.,Ltd.
Quality Control.....
Signature(s)