



## Certificate of Analysis

<b>Product name</b>	TUDCA	<b>Manufacture date</b>	Nov. 12. 2022
<b>Batch number</b>	SW221112	<b>Analysis date</b>	Nov. 13. 2022
<b>Batch quantity</b>	50kg	<b>Expiry date</b>	Nov. 12. 2024

<b>ANALYSIS</b>	<b>SPECIFICATION</b>	<b>RUSULT</b>
<b>Assay(TUDCA)</b>	99%~ 101%	99.6%
<b>Appearance</b>	White or off-white crystalline powder	Conforms
<b>Solubility</b>	Freely soluble in Methanol and ethanol. Sparingly soluble in water. Practically insoluble in ethyl acetate and acetone.	Conforms
<b>Specific optical rotation</b>	+45.0° to +47.0°	+46.0°
<b>Water</b>	6.0%~8.0%	7.0%
<b>Sulphate Ash</b>	≤0.1 %	0.03 %
<b>Taurine</b>	≤ 0.2%	Not detected
<b>odeoxycholic Acid</b>	≤ 0.5%	< 0.5%
<b>Total unspecified impurities</b>	≤ 0.5%	Not detected
<b>Taurochenodeoxycholic Acid</b>	≤ 1.0%	0.02%
<b>Total unspecified impurities</b>	≤ 0.5%	0.03%
<b>Conclusion</b>	Conform with specification	

<b>Packing description:</b>	Sealed export grade drum & double of sealed plastic bag
<b>Storage:</b>	Store in cool & dry place not freeze., keep away from strong light and heat
<b>Shelf life:</b>	2 years when properly stored

Quality Assurance Officer



Corrector

Analyst