

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	21947
<b>Lot Number</b>	002098-121104
<b>Product</b>	<b>Chenodeoxycholic acid</b>  3 $\alpha$ ,7 $\alpha$ -Dihydroxy-5 $\beta$ -cholanic acid  5 $\beta$ -Cholanic acid-3,7-diol
<b>CAS Number</b>	474-25-9
<b>Molecular Formula</b>	C <sub>24</sub> H <sub>40</sub> O <sub>4</sub>
<b>Molecular Weight</b>	392.58

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<b>Appearance</b>	White or yellowish crystallization powder
<b>Optical Rotation</b>	[ $\alpha$ ] <sub>D</sub> <sup>20</sup> = +10.8°
<b>Loss on Drying</b>	0.3%
<b>Related Substances</b>	Lithocholic acid < 0.5% Allocholic acid < 1% Each unspecified impurity < 1% Total impurity < 3%
<b>Purity by HPLC</b>	98.1%
<b>Storage</b>	Store at 0-8 °C
<b>Remarks</b>	See material safety data sheet for additional information  For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



**Bala Kumar**  
Quality Control Manager