

# Chem-Impex International, Inc.

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**Manufacturing site:**

825 Dillon Drive

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## Certificate of Analysis

<b>Catalogue Number</b>	21946
<b>Product</b>	<b>Ursodeoxycholic acid</b>
<b>Lot Number</b>	002089-151102 (6- $\beta$ )-Cholanic acid-(3- $\alpha$ )-(7- $\beta$ )-diol
<b>CAS Number</b>	128-13-2
<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 to off-white crystalline powder
<b>Solubility</b>	Practically insoluble in water, freely soluble in ethanol (96%), slightly soluble in acetone. Practically insoluble in methylene.
<b>Melting Point</b>	201.4 - 203 °C
<b>Heavy Metals</b>	≤ 10ppm
<b>Optical Rotation</b>	[ $\alpha$ ] <sub>D</sub> <sup>20</sup> = +60.7°
<b>Infrared Spectrum</b>	Conforms to structure
<b>Loss on Drying</b>	0.27%
<b>Related Substances</b>	Lithocholic acid ≤ 0.1%
<b>Residue On Ignition</b>	0.08%
<b>Assay by titration</b>	100.7%
<b>Storage</b>	Store at 0-8°C

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**Remarks**

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**