

# Chem-Impex International, Inc.

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**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

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## Certificate of Analysis

<b>Catalogue Number</b>	35220
<b>Lot Number</b>	002960-22061622
<b>Product</b>	<b>Betulinic acid</b> Lupatic acid
<b>CAS Number</b>	472-15-1
<b>Molecular Formula</b>	C <sub>30</sub> H <sub>48</sub> O <sub>3</sub>
<b>Molecular Weight</b>	456.71

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<b>Appearance</b>	Off-white powder
<b>Water Content (Karl Fisher)</b>	0.7%
<b>Analysis by Mass Spectra</b>	M : 456.7 ± 1
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	99.97%
<b>Storage</b>	Store at 2 - 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