

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	05885
<b>Lot Number</b>	000129-08786
<b>Product</b>	<b>L-Aspartic acid <math>\beta</math>-7-amido-4-methylcoumarin</b> L-Asp(AMC)-OH
<b>CAS Number</b>	133628-73-6
<b>Molecular Formula</b>	C <sub>14</sub> H <sub>14</sub> N <sub>2</sub> O <sub>5</sub>
<b>Molecular Weight</b>	290.23

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<b>Appearance</b>	White crystalline powder
<b>Melting Point</b>	195 - 196 °C
<b>Water Content (Karl Fisher)</b>	10.3%
<b>Optical Rotation</b>	$[\alpha]_D^{20} = 32.5^\circ$ (C=1 in HCOOH)
<b>Assay by titration</b>	90.2%
<b>Chiral HPLC</b>	99.76%
<b>D-Enantiomer</b>	0.24%
<b>Purity by HPLC</b>	99.8%
<b>Purity by TLC</b>	> 99%
<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