

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	24590
<b>Product</b>	<b>(R)-(-)-Mandelic acid</b>
<b>Lot Number</b>	001844-589095 (R)- $\alpha$ -Hydroxyphenylacetic acid
<b>CAS Number</b>	611-71-2
<b>Molecular Formula</b>	C <sub>8</sub> H <sub>8</sub> O <sub>3</sub>
<b>Molecular Weight</b>	152.15

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<b>Appearance</b>	White crystalline powder
<b>Melting Point</b>	131-133 °C
<b>Water Content (Karl Fisher)</b>	0.19%
<b>Optical Rotation</b>	[ $\alpha$ ] <sub>D</sub> <sup>30</sup> = -150.8° (C=2 in H <sub>2</sub> O)
<b>Assay by titration</b>	99.8%
<b>Chiral Purity</b>	100.00% (ee, HPLC)
<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