

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	39418
<b>Product</b>	<b>4-Chloro-D-mandelic acid</b> ( <i>R</i> )-2-(4-Chlorophenyl)-2-hydroxyacetic acid
<b>CAS Number</b>	32189-36-9
<b>Molecular Formula</b>	C <sub>8</sub> H <sub>7</sub> ClO <sub>3</sub>
<b>Molecular Weight</b>	186.59

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<b>Appearance</b>	White or off-white crystalline powder
<b>Solubility</b>	Soluble in methanol
<b>Melting Point</b>	119 - 123 °C
<b>Optical Rotation</b>	[α] <sub>20D</sub> = -132 to -140 ° (C=0.3 in EtOH)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Assay by titration</b>	≥ 98% (Neutralization titration)
<b>Purity by GC</b>	≥ 98%
<b>Storage</b>	Store at RT

**For Laboratory Use Only**