

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	40898
<b>Product</b>	<b>(1S,2S)-(+)-1,2-Cyclohexanediamine</b> (1S)-(+)-trans-1,2-Diaminocyclohexane
<b>CAS Number</b>	21436-03-3
<b>Molecular Formula</b>	C <sub>6</sub> H <sub>14</sub> N <sub>2</sub>
<b>Molecular Weight</b>	114.19

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<b>Warnings</b>	<i>Light sensitive! Air sensitive! Hygroscopic! Store under inert gas!</i>
<b>Appearance</b>	White to orange to light green powder
<b>Solubility</b>	Soluble in methanol
<b>Melting Point</b>	43 °C (Lit.)
<b>Boiling point</b>	124 - 129 °C
<b>Optical Rotation</b>	$[\alpha]_D^{20} = 25 - 26^\circ$ (C = 5 in 1mol/L HCl)
<b>Assay by titration</b>	≥ 98%
<b>Purity by GC</b>	≥ 98%
<b>Chiral Purity</b>	≥ 98% (ee)
<b>Storage</b>	Store at RT

**For Laboratory Use Only**