

# Chem-Impex International, Inc.

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**Manufacturing site:**

825 Dillon Drive

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## Certificate of Analysis

<b>Catalogue Number</b>	28544
<b>Lot Number</b>	002074-140301
<b>Product</b>	<b>Nortropine hydrochloride</b>  <i>endo</i> -8-Azabicyclo[3.2.1]octan-3-ol hydrochloride
<b>CAS Number</b>	14383-51-8
<b>Molecular Formula</b>	C <sub>7</sub> H <sub>13</sub> NO•HCl
<b>Molecular Weight</b>	163.65

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<b>Appearance</b>	Almost white powder
<b>Water Content (Karl Fisher)</b>	0.36%
<b>Related Substances</b>	Beta-Nortropine: 0.3% Tropine: 0.2% Tropinone: Not detected Total impurities: 0.6%
<b>Residue On Ignition</b>	0.08%
<b>Purity by GC</b>	99.4% (Dried basis)
<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**