

# *Chem-Impex International, Inc.*

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**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

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## *Certificate of Analysis*

<b>Catalogue Number</b>	32519
<b>Product</b>	<b>(-)-Scopolamine hydrobromide trihydrate</b>
<b>Lot Number</b>	002921-180726 Hyoscine hydrobromide
<b>CAS Number</b>	6533-68-2
<b>Molecular Formula</b>	$C_{17}H_{21}NO_4 \cdot HBr \cdot 3H_2O$
<b>Molecular Weight</b>	438.31

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<b>Appearance</b>	White crystalline powder
<b>Odor</b>	Characteristic
<b>Melting Point</b>	198.2 °C
<b>Acidity</b>	4.5
<b>Optical Rotation</b>	$[\alpha]_D^{20} = -25.3^\circ$
<b>Infrared Spectrum</b>	Conforms to structure
<b>Oxidizable Substances</b>	Complies
<b>Loss on Drying</b>	10.38%
<b>Related Substances</b>	Complies
<b>Assay</b>	99.3%
<b>Storage</b>	Store at RT
<b>Additional Information</b>	Other alkaloids : Complies

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**Remarks**

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**