

# *Chem-Impex International, Inc.*

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## *Certificate of Analysis*

<b>Catalogue Number</b>	32524
<b>Product</b>	<b>(-)-Scopolamine methyl bromide</b>
<b>Lot Number</b>	001926-061-20200418
	Hyoscine methyl bromide
<b>CAS Number</b>	155-41-9
<b>Molecular Formula</b>	C <sub>18</sub> H <sub>24</sub> NO <sub>4</sub> •Br
<b>Molecular Weight</b>	398.29

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<b>Appearance</b>	White crystalline powder
<b>Clarity &amp; Color</b>	Clarity : Solution should be clear
<b>Solubility</b>	Easily soluble in water, slightly soluble in ethanol, insoluble in chloroform and ether
<b>Melting Point</b>	220.8 - 221.3 °C
<b>pH</b>	6.2
<b>Optical Rotation</b>	[α] <sup>20</sup> <sub>D</sub> = -22.5 to -23.2 °
<b>Infrared Spectrum</b>	Conforms to structure
<b>Loss on Drying</b>	0.68%
<b>Related Substances</b>	Max single impurity : 0.07% Total impurities : 0.16%
<b>Residue On Ignition</b>	0.05%
<b>Assay (anhydrous basis)</b>	99.16%
<b>Storage</b>	Store at RT
<b>Additional Information</b>	Identification : Gives Vitali reaction and Bromide reaction. Other alkaloids : The solution must not become cloudy. Easy oxide : The red color shall not disappear completely within 5 minutes of the solution.

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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**