

# *Chem-Impex International, Inc.*

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## *Certificate of Analysis*

<b>Catalogue Number</b>	32528
<b>Lot Number</b>	002917-141
<b>Product</b>	<b>Strychnine hydrochloride</b>
<b>CAS Number</b>	1421-86-9
<b>Molecular Formula</b>	C <sub>21</sub> H <sub>22</sub> N <sub>2</sub> O <sub>2</sub> •HCl
<b>Molecular Weight</b>	370.87

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<b>Appearance</b>	White crystalline powder
<b>Solubility</b>	Soluble at 20 °C in 40 parts of water and 85 parts of Alcohol, Insoluble in Ether
<b>Anion</b>	Sulphate: Dissolve 0.25g quantity of the substances in water or prepare a solution as directed in the text and transfer to a Nessler glass. Add 1ml
<b>Acidity</b>	0.12 ml
<b>Loss on Drying</b>	7.5%
<b>Sulfated Ash</b>	0.02%
<b>Assay by titration</b>	99.2%
<b>Storage</b>	Store at RT
<b>Additional Information</b>	Taste : Extremely bitter Brucine : Free Identification: A) To 0.1 g add 3ml of H <sub>2</sub> SO <sub>4</sub> containing 1% w/v of Ammonium Vanadate, which changes to deep purple. Dilute with water, the colour changes to cherry red and persist for some time. B) Dissolve a small fragment in 2 or 3 drops of H <sub>2</sub> SO <sub>4</sub> on a white porcelain plate and pass a small crystal of K <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub> slowly through the solution, and intense violate colour is produced, which changes through red to yellow. C) It gives the reactions characteristics of chloride.

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Catalog Number: 32528

Lot Number: 002917-141

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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**