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Product Specifications

Catalogue Number 32528

Product **Strychnine hydrochloride**

CAS Number 1421-86-9

Molecular Formula C₂₁H₂₂N₂O₂•HCl

Molecular Weight 370.87

Appearance White crystalline powder

Solubility Soluble at 20 °C in 40 parts of water and 85 parts of Alcohol, Insoluble in Ether

Melting Point 295 °C

Anion 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 of HCL except when Hydrochloric acid is used in the preparation of the solution dilute to 50ml with water and add 1ml of solution of Barium Chloride. Stir immediately with a glass rod and set aside for 5 minutes. The turbidity produced is not greater than the standard turbidity.

Acidity ≤ 0.2 ml

Loss on Drying 7 - 9%

Sulfated Ash ≤ 0.1%

Assay by titration ≥ 99%

Storage Store at RT

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Additional Information

Taste : Extremely bitter

Brucine : Free

Identification:

A) To 0.1 g add 3ml of H₂SO₄ 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 H₂SO₄ on a white porcelain plate and pass a small crystal of K₂Cr₂O₇ slowly through the solution, and intense violate colour is produced, which changes through red to yellow.

C) It gives the reactions characteristics of chloride

Standard turbidity- Measure 2.5ml or the quantity specified in the monograph, of 0.01N Sulfuric Acid and 1ml of Hydrochloric Acid into a Nessler glass, dilute to 50ml with water and add 1ml of solution of Barium Chloride. Stir immediately with a glass rod and set aside for 5 minutes.

For Laboratory Use Only