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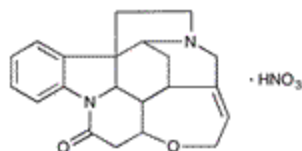
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825 Dillon Drive

Wood Dale, IL 60191



Product Specifications

Catalogue Number 32520

Product **Strychnine nitrate**

CAS Number 66-32-0

Molecular Formula C₂₁H₂₂N₂O₂•HNO₃

Molecular Weight 397.43

Appearance White crystalline powder

Solubility 1 gram of Strychnine Nitrate dissolve in 45ml of H₂O in 150ml of C₂H₅OH, in 50ml of Glycerin & in 105ml of Chloroform. 1 gm is suitable in 10ml of boiling water & in 80ml of C₂H₅OH at 60 °C. It is insoluble in Ether

Odor Odorless

Acidity ≤ 0.5 ml

Readily Carbonizable Substance Dissolve 250mg of Strychnine Nitrate in 5ml of H₂SO₄, the color of the solution is not deeper than a matching fluid consisting of 2.5ml of Cobalt Chloride, 2.5ml of Ferric Chloride and 0.2ml of Cupric Sulfate

Residue On Ignition ≤ 0.1%

Assay by titration ≥ 99%

Storage Store at RT

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Additional Information	<p>Taste: Extremely bitter Brucine : Free Identification: A) 0.02g of preparation is placed in a porcelain dish, 5ml of concentrated Sulfuric Acid and a few crystal of Potassium Bichromate are added. When carefully shaking of the dish violet and blue rapidly disappearing bands are formed. B) 0.01 g of preparation is placed in porcelain dish, a few drops of Diphenylamine are added, a blue color is produced. C) Superimpose a solution of Strychnine Nitrate (1 in 50) upon Diphenyl test solution, contained in a test tube a Blue color develop at the zone of contact</p> <p>Chloride: Acidify 20ml of solution of Strychnine Nitrate (1 in 100), with 2 drops of dilute HNO₃ added 5 drops of Silver Nitrate test solution, no procaine is produced immediately Sulfate: Acidify the 2ml of Strychnine Nitrate solution (1 in 100) with 2 drops of HCL & added 5 drops of Barium Chloride testing solution, no turbidity produces immediately</p>
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For Laboratory Use Only