

Chem-Impex International, Inc.

Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

Product Specifications

Catalogue Number 01520

Product **Protamine sulfate salt Salmon**

Salmine from Salmon

CAS Number 53597-25-4

Appearance White to almost white hygroscopic powder

Solubility Within the Limit

Elemental Analysis (Found) N = 22.50 to 25.50%

Heavy Metals ≤ 20 ppm

Anion Sulfate (SO₄²⁻) on dried substance: 16.0-22.0%

Cation Iron (Fe): ≤ 10 ppm
Mecury (Hg): ≤ 10 ppm

Optical Rotation [α]_D²⁰ = -65.0 to -85.0° (C=1 in 0.1 mol/L HCl)

Loss on Drying ≤ 5.0% (105 °C, 3h)

Residual Solvents Ethanol: ≤ 5000 ppm

Bacterial Endotoxins ≤ 7.0 IU/mg

Assay ≥ 100 units of Heparin sodium/mg

Grade USP, EP

Storage Store at 0-8 °C

Additional Information Abnormal toxicity: Within the limits
UV Absorbance (260 to 280 nm): ≤ 0.1

For Laboratory Use Only