

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	29984
Lot Number	002337-07-160501
Product	Heparin sodium
CAS Number	9041-08-1

Appearance	White to off-white powder
Heavy Metals	< 30 ppm
pH	6.93
Loss on Drying	4.6% (Vacuum at 60°C, 3h)
Residual Solvents	Ethanol: < 5000 ppm
Bacterial Endotoxins	< 0.03 EU/unit
E. Coli, Salmonella, S.Aureus	Absent
Microbial Count	Total Aerobic Microbial Count: < 60cfu/g Total Combined Yeast/Moulds Count: < 10cfu/g Bile-tolerant Gram-negative bacteria: < 10cfu/g
Protein Determination	0.13%
Residue On Ignition	35.3%
¹H NMR	Conforms to structure
Potency (Anhydrous Basis)	181.4USP/mg (dried basis)
Storage	Store at 0-8 °C
Additional Information	Source: Porcine intestinal mucosa Chromatographic identity: Complies Nitrogen content: 1.8% Limit of Galactosamine in Total Hexosamine: 0.42% Nucleotidic Impurities: 0.13 Oversulfated Chondroitin Sulfate: Complies Anti-factor: Xa to Anti-factor IIa ratio: 1.00

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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

A handwritten signature in black ink, appearing to read 'Bala Kumar', with a stylized flourish at the end.

Bala Kumar
Quality Control Manager