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CERTIFICATE OF ANALYSIS

Vertinary Drugs CAS 3810-74-0 Streptomycin Sulfate Powder

Introduction

[English Name] High quality Streptomycin Sulphate/Streptomycin Sulfate/3810-74-0

[Test Method]HPLC

[CAS No.] 3810-74-0

[Mol. Formula] C₄₂H₈₄N₁₄O₃₆S₃

[Purity]> 99% by HPLC

[Packaging]100G,25G...

Package and quantity according to customer's detail requirement

[Remark] In stock, customized for large scale.

Specifiction:

ITEMS	SPECIFICATION
Characters	A white or almost white powder, hygroscopic, very soluble in water, practically insouble in etnanol
Identification	A. Thin-layer chromatogram meets the requirements B. Positive C. Positive D. Positive
Appearance of solution	Colour:not more intensely coloured than 3
	Clarity:not more opalescent than

PH	4.5–7.0
Methanol (GC)	NMT 0.3%
Streptomycin B	NMT 3.0%
Loss on drying	NMT 7.0%
Sulphated ash	NMT 1.0%
Sulphate	18.5–21.5%
Colorimetric	NLT 90.0%
Sterility	Meets the requirements
Bacterial endotoxins	Less than 0.25IU/mg
Abnormal toxicity	Meets the requirements

Function&Application

An antibiotic produced by the soil actinomycete *Streptomyces griseus*. It acts by inhibiting the initiation and elongation processes during protein synthesis.

For tularemia, plague, brucellosis and glanders serious treatment (often combined with tetracycline or chloramphenicol). Also used second-line treatment of TB and multi-combination with other anti-TB drugs.