

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	01511
Product	Polymyxin B sulfate salt
Lot Number	002588-200107
CAS Number	1405-20-5
Molecular Formula	C ₅₅ H ₉₆ N ₁₆ O ₁₃ ·2H ₂ SO ₄
Molecular Weight	1385

Appearance	White to almost white powder, Hygroscopic!
Solubility	Freely soluble in water, slightly soluble in alcohol
pH	5.82
Loss on Drying	5.5%
Particle Size	99% : < 30 µm by volume 90% : < 25 µm by volume 75% : < 20 µm by volume Mean diameter : < 8 µm
Related Substances	Any individual impurity : 2.61% Total impurity : 12.74%
Residue On Ignition	0.5%
Potency (Anhydrous Basis)	8516 IU/MG (Microbial on dried basis)
Grade	USP
Storage	Store at 0 - 8 °C
Additional Information	Identification : A. Liquid chromatographic identification test B. Reddish violet color is produced C. Test for sulfate Composition of Polymyxins : Sum of Polymyxin B1, B2, B3 and B1-I : 80.4% Polymyxin B3 : 1.6% Polymyxin B1-I : 3.0%

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Catalog Number: 01511

Lot Number: 002588-200107

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