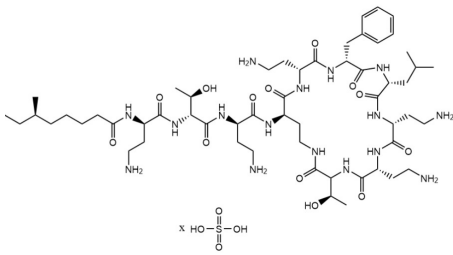


SPECIFICATION SHEET

Product Name	Polymyxin B Sulfate	
CAS No.	1405-20-5	
Molecular Formula	C ₅₆ H ₉₈ N ₁₆ O ₁₃ (Free Base)	
Molecular Weight	1203.48 (Free Base)	
Product Specification	USP Grade	
Country of Origin	China	

QUALITY SPECIFICATIONS

ITEMS	SPECIFICATIONS	METHODS
Appearance	White or almost white powder	Visual
Identification	In the chromatogram recorded under the composition determination of polymyxin, the retention time of the main peak of the test solution should be consistent with that of the reference solution	HPLC
	A reddish-violet color is produced.	Visual
	Meets the requirements of sulfate.	USP<191>
Related substances	Any individual impurity ≤ 3.0%	HPLC
	Total impurities ≤ 17.0%	
Loss on drying	≤ 7.0%	USP<731>
Residue on ignition	≤ 5.0%	USP<281>
pH	5.0~7.5	USP<791>
Composition of polymyxins	Polymyxin B3 ≤ 6.0%	HPLC
	Polymyxin B1-I ≤ 15.0%	
	Sum of polymyxins B1, B2, B3, and B1-I ≥ 80.0%	
Assay(on the dried basis)	NLT 6,000 Polymyxin B units/mg	USP<81>

STORAGE, STABILITY & PACKAGING

Storage	Store under frozen or refrigerated conditions, keep away from strong light and heat.
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Nature Connecting Health

Aktin Chemicals, Inc.

No.88 Keyuan South Road, High-tech Zone, Chengdu
610041 P.R.China

Tel: 86-28-85159085 Fax: 86-28-85159085 Ex 604

Website: www.aktin.com Email: info@aktin.com

Stability	That its potency cannot be assured for longer than 60 days after opening
Packaging	1g/ bottle or as request