

Gojira Fine Chemicals, LLC

Quality Products & Services Meeting Customer Needs 5386 Majestic Parkway, Suite 7, Bedford Heights, OH 44146 www.gojirafc.com • sales@gojirafc.com

Specification

Colistin Sulfate

Catalog Number: CAS Number: Synonym(s): Molecular Formula: Molecular Weight: Storage: Retest Period: CS1005 1264-72-8 Polymyxin E sulfate $C_{45}H_{85}N_{13}O_{10} \cdot H_2SO_4$ 820.61 $2^{\circ}C - 8^{\circ}C$ Three years from the date of manufacture

Test	Specification
Appearance	White to off-white powder
Assay (Anhydrous)	≥ 19000 IU/mg
Specific Rotation	-63° to -73°
Solubility	Freely soluble in water, insoluble in EtOH
рН	4.0 - 6.0
Moisture (LOD)	≤ 3.5%
Sulfated Ash	≤ 1.0%
Sulfate	16.0% - 18.0%
Related Substances	
Total Impurities	≤ 23%
Any Single Impurity	≤ 4.0%
Impurity I	≤ 3.0%
Impurity II	≤ 4.0%
Impurity III	≤ 3.0%
Impurity IV	≤ 3.0%
Impurity V	≤ 3.0%
Impurity VI	≤ 4.0%
HPLC Composition (Anhydrous):	
Polymixins (E1,E2,E3,E1-1, E1-7MOA)	≥ 77.0%
Polymixin E3	≤ 10.0%
Polymixin E1-1	≤ 10.0%
Polymixin E1-7MOA	≤ 10.0%

Approved:

grubb

John Grubb, PhD Gojira Fine Chemicals Quality Manager Tel: 440-252-5397, Fax: 888-211-5523 docsupport@gojirafc.com Date: November 27, 2018

For research or further manufacturing. Not for drug, clinical or a food use in humans or animals.