



Certificate of Analysis

Product Name	Ceftiofur HCl	Manufacture Date	Jun.15.2023
Batch Number	SW230615	Analysis Date	Jun.17.2023
Batch Quantity	500kg	Expiry Date	Jun.15.2025

Test	Specification	Result
Character	White to off-white powder	White powder
Identification	A,B,C,D Corresponds	Conform
Solubility	Freely soluble in N, N-dimethyl acetamide and slightly soluble in methanol, sparingly soluble in water.	Conform
Water	≤5.0%	3.6%
Residue on ignition	≤0.5%	0.11%
Particle size	D90≤10μm	Conforms
Heavy metal	≤20PPM	Conforms
Sterile	Complies	Complies
4-Keto-ceftiofur	≤0.5%	0.01%
Unkown impurity (NW=537)	≤0.4%	0.01%
o-3-cis-oxime	≤0.3%	0.18%
o-3-trans-oxime	≤2.0%	0.25%
Total related substance	≤2.5%	0.5
Assay	≥96%(Calculated with Ceftiofur HCL)	97.7%
Particulate matter	Single impurity≤0.5%	<0.5%
	Total impurities≤1.0%	0.32%

Packing description	Sealed export grade drum & double of sealed plastic bag
Storage	Store in a cool and dry place, stay away from strong light and heat
Shelf life	2 years when properly stored

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