



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-211050
Lot Number: SAMPLE
Product Name: Ceftriaxone, Disodium Salt, Hemiheptahydrate
CAS Number: 104376-79-6
Molecular Formula: $C_{18}H_{16}N_8Na_2O_7S_3 \cdot 3.5H_2O$
Molecular Weight: 661.60

Test	Specification	Result
Appearance	White or off-white crystalline powder	Complies
Visual Impurities	Conforms	Complies
Assay	$\geq 84\%$ (calculated as anhydride, C18H18N8O7S3)	93.4%
pH	6.0 - 8.0	6.9
Specific Rotation	$-153^\circ \sim -170^\circ$	-161°
Heavy Metals	≤ 20 ppm	Complies
Insoluble Matter	$\geq 10 \mu m$: ≤ 2000 grains/g $\geq 25 \mu m$: ≤ 200 grains/g	350 grains/g 10 grains/g
Related Substances	Single impurity $\leq 0.5\%$ Total impurities $\leq 2.0\%$	0.18% 0.49%
Ceftriaxone polymer	$\leq 0.5\%$ (calculated as Ceftriaxone)	0.056%
Water Content	8.0% - 11.0%	9.2%

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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