

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	22108
Lot Number	002197-221009
Product	Ceftriaxone disodium salt hemi(heptahydrate)
CAS Number	104376-79-6
Molecular Formula	$C_{18}H_{16}N_8Na_2O_7S_3 \cdot 3.5H_2O$
Molecular Weight	661.58

Appearance	White to yellowish orange crystalline powder
Crystallinity	Passes test
Water Content (Karl Fisher)	9.21%
pH	7.01
Insoluble	Insoluble particles : > 10 μm : 112 grain/g > 25 μm : 10 grain/g
Residual Solvents	Methanol, Ethanol, Acetone, Isopropanol, Dichloromethane, Ethyl acetate, Acetonitrile : Not detected Triethylamine : 0.0006%
Bacterial Endotoxins	Passes test
Related Substances	Deacetylcefotaxime lactone, 7-Aminocephalosporanic acid, Ceftriaxone benzothiazole oxime, Ceftriaxone 3-ene isomer, Ceftriaxone E-isomer : Not detected
Assay (anhydrous basis)	922.9 $\mu g/mg$
Grade	Meets USP Specification
Storage	Store at RT
Additional Information	Identification : Test for A : Infrared spectrum : Conforms to structure Test for B and C : Passes test Ceftriaxone triazine analog : 0.03% Deacyl ceftriaxone : 0.02% Any single impurity : 0.01% Total impurities : 0.08% Visible foreign matter : < 5 Sterility test : Passes test

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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