

Chem-Impex International, Inc.

Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

Certificate of Analysis

Catalogue Number	00357
Lot Number	001204-140501
Product	Ticarcillin disodium salt

CAS Number	4697-14-7
Molecular Formula	C ₁₅ H ₁₄ N ₂ O ₆ S ₂ Na ₂
Molecular Weight	428.4

Appearance	White to pale yellow powder, or white to pale yellow solid. Freely soluble in water.
Heavy Metals	< 10 ppm
Water Content (Karl Fisher)	2.5%
pH	6.4
Optical Rotation	[α] _D = +182°
Infrared Spectrum	Conforms to structure
Bacterial Endotoxins	< 0.05 EU/mg
Related Substances	Largest impurity: 0.44% Second major impurity: 0.34%
Assay (anhydrous basis)	88.4%
Grade	USP
Storage	Store at 0-8 °C
Additional Information	Sodium: Positive Identification by HPLC: Conforms Sterility: Meets the requirement
Manufacturing Date	5/22/2014

Certificate of Analysis

Catalog Number: 00357

Lot Number: 001204-140501

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