



Specification

Cefotaxime Sodium Salt USP

Catalog Number: CS1003
CAS Number: 64485-93-4
Molecular Formula: $C_{16}H_{16}N_5NaO_7S_2$
Molecular Weight: 477.45
Storage: 2°C – 8°C
Retest Period: Four years from date of manufacture.

Test	Specification
Appearance	White to almost-white crystalline powder
Assay (Anhydrous Basis)	916 – 964 µg/mg
Identification	To meet requirements
Specific Rotation	+58° to +64°
pH	4.5 – 6.5
Clarity and Color of Solution	Clear $A(430nm) \leq 2.0$
Chromatographic Purity	
1.Any individual impurity	$\leq 1.0\%$
2.Sum of all impurities	$\leq 3.0\%$
Moisture (LOD)	$\leq 3.0\%$
Bacterial Endotoxins	≤ 0.20 EU/mg
Visible Particles	To meet requirements
Particulate Matter	
≥ 10 µm	$\leq 6000/g$
≥ 25 µm	$\leq 600/g$
This product meets the specifications for USP32.	

Approved:

Date: February 15, 2018

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