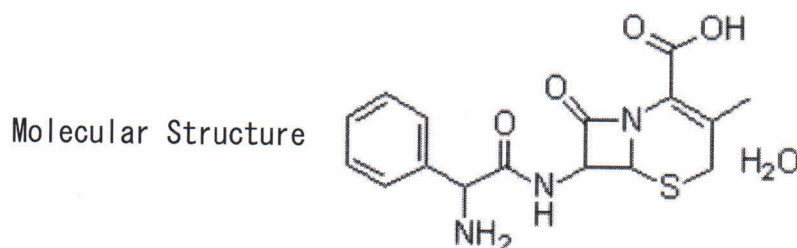


Batch no 12052311093  
 Mf date Nov 13 2023  
 Exp date Nov 12 2026  
 Batch size 737.64 kg



Molecular Formula  $C_{16}H_{17}N_3O_4S \cdot H_2O$   
 Molecular Weight 365.40  
 CAS Registry Number 23325-78-2

Nov 29 2023

<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
Appearance	White or almost white crystalline powder	Conforms
Identification	IR, UV	Positive
Specific rotation	+149 ~ +158°	+153°
Crystallinity	Meets the requirements	Conforms
Solubility	Meets the requirements	Conforms
pH	3.0 ~ 5.5	4.9
Water	4.0 ~ 8.0%	5.5%
Related substances	7-ADCA $\leq 1.0\%$	0.06%
	$\alpha$ -phenylglycine $\leq 1.0\%$	0.06%
	Any other impurity $\leq 1.0\%$	0.06%
	Total impurities $\leq 5.0\%$	0.18%
Residual solvents	Acetone $\leq 0.5\%$	0.07%
	Dichloromethane $\leq 0.06\%$	0.0005%
	Methanol $\leq 0.3\%$	0.02%
Residue on ignition	$\leq 0.2\%$	0.08%
Assay (odb)	950 ~ 1030 ug/mg	1002 ug/mg
Packaging & storage	Preserve in tightly closed containers, storage in a cool and dry place.	
Conclusion	Material complies with USP44	