



Specification

D-Glucaric Acid Calcium Salt USP

Catalog Number:	GA1003
CAS Number:	5793-89-5
Synonym(s):	Calcium D-saccharate tetrahydrate, D-Saccharic acid calcium salt, Calcium D-glucarate
Molecular Formula:	$C_6H_8O_8Ca \cdot 4H_2O$
Molecular Weight:	320.26
Storage:	15°C – 30°C
Retest Period:	Five years from date of manufacture

Test	Specification
Appearance	White crystalline powder
Assay (As $C_6H_8O_8Ca \cdot 4H_2O$)	98.5 – 102.0%
Identification IR Calcium	To match standard Test for calcium
Specific Rotation	+18.5 to +22.5°
Solubility	Practically insoluble in water, soluble in 5M HCl
Chloride	≤ 700ppm
Sulfate	≤ 1,200ppm
Heavy metals	≤ 20ppm
Sucrose and reducing sugars	As per USP
Residual solvents: No solvent used or generated during manufacturing.	

Approved:

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