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Product Specification

Calcium Ascorbate 2 Hydrate

Product Description

Chemical Description : Calcium Ascorbate Powder U.S.P. 23

Grade : Powder U.S.P. 23

Product Code : P723

Issue : 1

Issue Date : 18-Jul-2001

Chemical Information

Molecular weight : 426.35

Molecular formula : $C_{12}H_{14}CaO_2 \cdot 2H_2O$

General Description : White/almost white powder

Hazard Information

U.N. No. : Not regulated

Proper Shipping Name : Not regulated

EEC No. :

Hazard Class : Not regulated

Packing Group : Not regulated

CAS No : 5743-28-2

Tariff No. :

Specification

Assay (as $C_{12}H_{14}CaO_2 \cdot 2H_2O$)		98.0 - 101.0 %
Identification		To comply with tests a, b and c
Specific optical rotation (CO ₂ free water, 1g in 20mL)		+95 - +97 deg
pH 10% solution		6.8 - 7.4
Loss on drying @ 105oC for 2 hours	Max	0.1 %
	As	Max 3 ppm
	F	Max 10 ppm
Heavy metals	Max	10 ppm
Appearance		White/off white powder
Description		Calcium ascorbate contains not less than 98.0 percent and not more than 101.0 percent of $C_{12}H_{14}CaO_2 \cdot 2H_2O$
Date of expiry		<Enter date here>
Date of manufacture		<Enter date here>

