

Certificate of Analysis

Product name	D-Calcium Pantothenate	Batch number	KN20211203
Batch quantity	3000kgs	Manufacture date	2020.12.03
Test date	2021.12.06	Expiry date	2023.12.02

Test Items	Specification	Results
Appearance	White or almost white powder	conform
Identification		
A:Infrared Absorption 197K	Concordant with the reference spectrum	conform
B:A solution (1 in 20) responds to the tests for Calcium	Conform to USP42	conform
Specific optical rotation	+25.0°~+27.5°	+26.9°
Alkalinity	No pink color is produced within 5	conform
Loss on drying	Not more than 5.0%	3.2%
Content of calcium	8.2%~8.6%	8.37%
Nitrogen determination	5.7%~6.0%	5.70%
Assay (HPLC)	98.0%-102.0%	98.1%
Total aerobic count	<1000CFU/g	conform
Mold and Yeast	<100 CFU/g	conform
Salmonella	Absent	Conform
E.Coli	Absent	Conform
Staphylococcus aureus	Absent	Conform
Conclusion	Conform to USP42	

Packing	1kg/foil bag;
Storage	Store in cool and dry place. Keep away from strong light and heat.
Shelf life	2years



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