

VITAMIN D3 CRYSTALLINE



Coversheet for Certificate of Analysis

Productcode : 5009278
Lot No. : UE01802101
Analysis No. : 04504563

CfC Number : 03487598
Articlecode : 5009278258
Sales Name : VITAMIN D3 PURE
CRYSTALLINE,0,25 KG TIN
Manufacturing Date : 07-FEB-2018
Best Use Before Date : 06-FEB-2023
Delivery Note No. 1922120698
Destination : Italy
Customer Ref. No : 2018 4427+4453+4521
Customer Article No: 002035-250 - ORDINE 2018
4521
Customer Name: ACEF S P A
VIA UMBRIA
FIORENZUOLA D'ARDA

Comment

VITAMIN D3 Crystalline

CERTIFICATE OF ANALYSIS

Productcode : 5009278
Lot No. : UE01802101
Analysis No. : 04504563

Test	Result	Limits / Specification	Dimension / Units
Appearance			
Appearance	crystalline powder	crystalline powder	
Visual inspection			
Visual Colour			
Colour	white or almost white	white or almost white	
Visual inspection			
Identity			
Identity	corresponds	corresponds	
IR / Ph. Eur.			
Specific optical rotation, 589 nm			
20°C, C=0.8 in ethanol	110	105 to 112	°
Ph. Eur.			
UV-Absorption in Ethanol			
A 1PC, 1cm at 265 nm	477	460 to 500	
Ph. Eur.			
Loss on drying			
Loss on drying	0.1	max. 0.1	%
Residual solvents			
n-hexane	3	max. 290	ppm
GC / Ph. Eur.			
methyl formiate	<3	max. 1000	ppm
GC / Ph. Eur.			
acetone	<2	max. 1000	ppm
GC / Ph. Eur.			
methanol	<10	max. 3000	ppm
GC / Ph. Eur.			
pyridine	<14	max. 200	ppm
GC / Ph. Eur.			
Related substances			
Trans-vitamin D3 (impurity A)	<= 0.05	max. 0.1	%
HPLC / Ph.Eur.			
7,8-Didehydrocholesterol (impurity B)	<= 0.05	max. 0.10	%

VITAMIN D3 Crystalline

CERTIFICATE OF ANALYSIS

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Test	Result	Limits / Specification	Dimension / Units
HPLC / Ph.Eur. Unspecified impurities (each)	<= 0.05	max. 0.10	%
HPLC / Ph.Eur. Total impurities	0.0	max. 1.0	%
Assay			
Vitamin D3 HPLC / Ph. Eur.	100.6	97.0 to 102.0	%

This lot was analysed and released by our authorized Quality Control Department and was found to meet the specifications as given above.

The product meets all requirements of the following valid compendia when tested accordingly:

Ph. Eur., USP, FCC

DSM Nutritional Products France SAS

The Quality Assurance Manager



Adeline Morin