



# VITAMIN D3 CRYSTALLINE

## *Coversheet for Certificate of Analysis*

**Productcode :** 5009278  
**Lot No. :** UE01406009  
**Analysis No. :** 04406104

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**CFC Number :** 02634696  
**Articlecode :** 5009278258  
**Sales Name :** 0,25 KG TIN VITAMIN D3 CRYSTALLINE  
**Manufacturing Date :** 27-JUN-2014  
**Best Use Before Date :** 26-JUN-2019  
**Delivery Note No. :** 8422060917  
**Destination :** Serbia  
**Customer Ref. No. :**  
**Customer Article No. :**  
**Customer Name :** BANKOM doo BEOGRAD  
Customs warehouse no 3516  
Obrenovac

**Comment :**

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# VITAMIN D3 Crystalline

## CERTIFICATE OF ANALYSIS

**Productcode** : 5009278  
**Lot No.** : UE01406009  
**Analysis No.** : 04406104

Test	Result	Limits / Specification	Dimension / Units
<b>Appearance</b>			
Appearance Visual inspection	crystalline powder	crystalline powder	
<b>Visual Colour</b>			
Colour Visual inspection	white or almost white	white or almost white	
<b>Identity</b>			
Identity IR / Ph. Eur.	corresponds	corresponds	
<b>Specific optical rotation, 589 nm</b>			
20°C, C=0.8 in ethanol Ph. Eur.	108	105 to 112	°
<b>UV-Absorption in Ethanol</b>			
A 1PC, 1cm at 265 nm Ph. Eur.	475	460 to 500	
<b>Loss on drying</b>			
Loss on drying Ph. Eur.	0.0	max. 0.1	%
<b>Residual solvents</b>			
n-hexane GC / Ph. Eur.	1	max. 290	ppm
methyl formiate GC / Ph. Eur.	<3	max. 1000	ppm
acetone GC / Ph. Eur.	<2	max. 1000	ppm
methanol GC / Ph. Eur.	15	max. 3000	ppm
pyridine GC / Ph. Eur.	<14	max. 200	ppm
<b>Related substances</b>			
Trans-vitamin D3 (impurity A) HPLC / Ph.Eur.	<= 0.05	max. 0.1	%
7,8-Didehydrocholesterol (impurity B)	<= 0.05	max. 0.10	%

# VITAMIN D3 Crystalline

## CERTIFICATE OF ANALYSIS

**Productcode** : 5009278  
**Lot No.** : UE01406009  
**Analysis No.** : 04406104

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	%
<b>Assay</b>			
Vitamin D3 HPLC / Ph. Eur.	100.5	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



Philippe Herfeld