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# VITAMIN A+D3 WATER-MISCIBLE 100/20

## CERTIFICATE OF ANALYSIS

Productcode : 5011566  
 Lot No. : UT17010031  
 Analysis No. : 03B96472

Test	Result	Limits / Specifications	Dimension / Units
<b>Appearance</b> visual	slightly opalescent liquid	slightly opalescent liquid	
<b>Colour</b> visual	greenish-yellow	greenish-yellow	
<b>pH</b> Ph.Eur.	7.2	6.0 to 7.5	
<b>Density (20°C)</b> Ph.Eur.	1.05	1.04 to 1.06	g/ml
<b>Identity for vitamin A palmitate</b> HPLC	corresponds	corresponds	
<b>Identity for vitamin D3</b> HPLC	corresponds	corresponds	
<b>Identity for BHA</b> GC	corresponds	corresponds	
<b>Identity for BHT</b> GC	corresponds	corresponds	
<b>Vitamin A activity</b> UV/Ph.Eur.	109300	min. 100000	IU/ml
<b>Vitamin D3 activity</b> HPLC	21800	min. 20000	IU/ml
<b>Microbiological purity</b>			
Total aerobic microbial count Ph.Eur.	<10 <sup>2</sup>	10 <sup>2</sup> <10 <sup>2</sup>	CFU/ml
Total combined yeast/moulds count Ph.Eur.	<10 <sup>1</sup>	10 <sup>1</sup> <10 <sup>1</sup>	CFU/ml
Enterobacteria Ph.Eur.	negative in 10ml	negative in 10ml	
Escherichia coli Ph.Eur.	negative in 10ml	negative in 10ml	
Salmonella spp. Ph.Eur.	negative in 25ml	negative in 25ml	
Staphylococcus aureus Ph.Eur.	negative in 10ml	negative in 10ml	
Pseudomonas aeruginosa	negative in 10ml	negative in 10ml	

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## *Coversheet for Certificate of Analysis*

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CfC Number : 03119418  
Articlecode : 5011566126  
Sales Name : 6 L Botella Alu: VITAMIN A +  
D3 WATER-MISCIBLE 100/20  
Manufacturing Date : 04-JAN-2017  
Best Use Before Date : 05-JUL-2018  
Delivery Note No. 1122790403  
Destination : Chile  
Customer Ref. No : 4500415867  
Customer Article No: 5011566126  
Customer Name: DSM Nutritional Products  
Chile S.A.  
Loteo Los Cantaros  
Puerto Varas

Comment

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# VITAMIN A+D3 WATER-MISCIBLE 100/20

## CERTIFICATE OF ANALYSIS

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

DSM Nutritional Products Ltd  
The Quality Assurance Manager



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