

# DRY VITAMIN D3 100 N

## CERTIFICATE OF ANALYSIS

Productcode : 5016371  
 Lot No. : UT23040038  
 Analysis No. : 03G24057

Test	Result	Limits / Specifications	Dimension / Units
<b>Appearance</b> visual	free flowing particles	free flowing particles	
<b>Colour</b> visual	yellowish	off-white yellowish	
<b>Fineness (US Standard sieve):</b> - through sieve No. 80 / USP jet sieving	100	min. 95	%
<b>Dispersibility in water</b> Dispersibility in water at 20°C	passes test	passes test	
<b>Loss on drying</b> Halogen moisture Analysis	4	max. 6	%
<b>Identity for Vitamin D3</b> TLC	corresponds	corresponds	
<b>Identity for Tocopherol</b> TLC	corresponds	corresponds	
<b>Identity for Sodium Ascorbate</b> HPLC	corresponds	corresponds	
<b>Assay Vitamin D3</b> HPLC	107344	100000 to 110000	I.U./g
<b>Microbiological purity</b>			
Total aerobic microbial count Ph.Eur.	<10 <sup>3</sup>	<10 <sup>3</sup> 10 <sup>3</sup>	CFU/g
Total combined yeast/moulds count Ph.Eur.	<10 <sup>2</sup>	<10 <sup>2</sup> 10 <sup>2</sup>	CFU/g
Enterobacteria Ph.Eur.	<10	<10	CFU/g
Escherichia coli Ph.Eur.	negative in 10 g	negative in 10 g	
Salmonella spp. Ph.Eur.	negative in 25 g	negative in 25 g	
Staphylococcus aureus Ph.Eur.	negative in 10 g	negative in 10 g	
Pseudomonas aeruginosa Ph.Eur.	negative in 10 g	negative in 10 g	

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This lot has been analyzed and released. The manufacturing and control records have been reviewed by our authorized Quality organization. This lot meets substance specifications as given here above and has been produced in conformity with applicable Good Manufacturing Practices (GMP).

The product meets all requirements of the following valid compendia when tested accordingly:  
USP, FCC and Ph.Eur.

DSM Nutritional Products Ltd  
The Quality Assurance Manager



BARTH GABRIELE