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Vitatene S.A.U.

CaroCare[®] Nat. B-Carotene 10% CWS/S

CERTIFICATE OF ANALYSIS

Product code : 50 1484 2

Lot-no.: EW13070073 Manufacturing date: 23 July 2013

Analysis-no.: 76000333 Best use before: 22 July 2016

Date of issue: 05 August 2013

Test	Result	Limits Specifications	Dimensions Units
Appearance	fine granular powder	fine granular powder	
• Visual estimation			
Colour	reddish	reddish	
• Visual estimation			
Identity	454	maximum at 453- 456 nm	
• Spectrophotometry in cyclohexane			
Powder fineness			
• through sieve no. 20	100	100	%
• through sieve no. 40	98	min. 85	%
• through sieve no. 100	12	max. 15	%
Riddle sieve screening			
Loss on drying	3.3	max. 8	%
• IR drying			
Dispersibility in water	dispersible	dispersible	
• Dispersibility in water at 20°C			
Colour intensity of aqueous solution	107	min. 85	
• Photometer: A(1%, 1cm) at maximum			
B-Carotene content	11.1	min. 10	%
• Photometer			
Microbiological purity			
• Total aerobic microbial count	<10	max. 10 ³	CFU
Ph.Eur.			
• Total combined yeasts/moulds count	<10	max. 10 ²	CFU
Ph.Eur.			
• Enterobacteria	<10	< 10	CFU
Ph.Eur.			
• Escherichia Coli	negative in 10g	negative in 10g	
Ph.Eur.			
• Salmonella spp.	negative in 25g	negative in 25g	
Ph.Eur.			
• Staphylococcus aureus	negative in 10g	negative in 10g	
Ph.Eur.			
• Pseudomonas aeruginosa	negative in 10g	negative in 10g	
Ph.Eur.			

This lot was analyzed and release by our authorized Quality Assurance Department and was found to meet the specifications as given above.

This document is valid without signature

DSM Nutritional Products
Quality Assurance

American International Chemical, Inc. Verifies that the information
contained herein is true and correct to the best of our knowledge.

Manufactured by
Vitatene S.A.U.
Avenida Ingeniero Sáenz de Peña 24029 LICHTI (Cádiz)
Vitatene S.A.U. is a fully owned subsidiary of DSM

Verified by: Paula Parks

Date: 4/6/15
Phone: 800-238-0001

Paula Parks