

# B-CAROTENE 10% CWS



## *Coversheet for Certificate of Analysis*

Productcode : 0434825  
Lot No. : UT22120056  
Analysis No. : L34351

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CfC Number : 05075807  
Articlecode : 0434825368  
Sales Name : 25 kg Cardboard Box/Alu. B-Carotene 10% CWS  
Manufacturing Date : 05-DEC-2022  
Best Use Before Date : 04-DEC-2026  
Delivery Note No. 1124099627  
Destination : Argentina  
Customer Ref. No : 4501750138  
Customer Article No: 0434825368  
Customer Name: DSM NUTRITIONAL PRODUCTS ARGENTINA S.A.  
COLECTORA ESTE PANAMERICANA, RAMAL PILAR  
C.U.I.T : 30-70782242-9

Article desc. CoA  
Comment

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# CERTIFICATE OF ANALYSIS

## B-CAROTENE 10% CWS

<b>Product Code:</b>	0434825	<b>Manufacturing Date:</b>	05-Dec-2022
<b>Analysis Number:</b>	34351	<b>Release Date:</b>	04-Jan-2023
<b>Lot Number:</b>	UT22120056	<b>Best Use Before:</b>	04-Dec-2026

Test	Test Method	Result	Limits/Specification
Appearance:	Visual	free flowing particles	free flowing particles
Color:	Visual	red-brown	red-brown
Fineness (US Standard sieves):	Sieve analysis		
through sieve No. 20 / USP riddle screen sieving		100 %	Equal to 100 %
through sieve No. 40 / USP riddle screen sieving		92 %	≥ 85 %
through sieve No. 100 / USP riddle screen sieving		2 %	≤ 15 %
Loss on drying:	Halogen moisture analysis	4 %	≤ 8 %
Dispersibility in water at 20 °C:		dispersible	dispersible
Color intensity of aqueous dispersion / A(1%/1cm) at maximum absorbance:	UV/VIS spectroscopy	134	≥ 120
Beta-carotene content:	USP	12 %	≥ 10 %
Microbiological purity:	Ph.Eur.		
Total aerobic microbial count		<10 <sup>3</sup> CFU/g	max. 10 <sup>3</sup> CFU/g
Total combined yeast/moulds count		<10 <sup>2</sup> CFU/g	max. 10 <sup>2</sup> CFU/g
Enterobacteria		<10 CFU/g	< 10 CFU/g
Escherichia coli		negative in 10 g	negative in 10 g
Salmonella spp.		negative in 25 g	negative in 25 g
Staphylococcus aureus		negative in 10 g	negative in 10 g
Pseudomonas aeruginosa		negative in 10 g	negative in 10 g

# CERTIFICATE OF ANALYSIS

## B-CAROTENE 10% CWS

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This lot has been analyzed against the substance specifications given above and released. The manufacturing and control records have been reviewed by our authorized Quality organization. The lot has been produced in conformity with applicable regulations and Good Manufacturing Practices for the uses stated in DSM Product Data sheet. A QA comment will be presented below if there is any deviation requiring restriction in the use of this lot.

Please consult your local representative or visit the DSM Customer Portal online for further compendial and compliance documentation.

**Sven Weltis, Quality Assurance Manager**

(This document has been generated and signed electronically)

DSM Nutritional Products Ltd  
Quality Assurance

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