

Coversheet for Certificate of Analysis

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

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-2027
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

CERTIFICATE OF ANALYSIS

B-CAROTENE 10% CWS

Product Code:	0434825	Manufacturing Date:	05-Dec-2022
Analysis Number:	34351	Release Date:	04-Jan-2023
Lot Number:	UT22120056	Best Use Before:	04-Dec-2027

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 ³ CFU/g	max. 10 ³ CFU/g
Total combined yeast/moulds count		<10 ² CFU/g	max. 10 ² 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

Product Code:	0434825	Manufacturing Date:	05-Dec-2022
Analysis Number:	34351	Release Date:	04-Jan-2023
Lot Number:	UT22120056	Best Use Before:	04-Dec-2027

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

Disclaimer:

DSM has used diligent care to ensure that the information provided herein is accurate and up-to-date, however, DSM makes no representation or warranty, either expressly or implied, for the application and/or use of any further processed material containing DSM's product(s). It is DSM's customers' responsibility to ensure compliance of their finished product(s) with relevant laws and regulations.

© DSM Nutritional Products Ltd.