

Niacinamide FCC



Coversheet for Certificate of Analysis

Productcode : 5016011
Lot No. : 0000203421
Analysis No. : 03F24343

CfC Number : 04854988
Articlecode : 5016011366
Sales Name : 25 KG BOX Niacinamide FCC
Manufacturing Date : 13-MAR-2022
Best Use Before Date : 12-MAR-2025
Delivery Note No. 1124067594
Destination : Argentina
Customer Ref. No : 4501619601
Customer Article No: 5016011366
Customer Name: DSM NUTRITIONAL PRODUCTS ARGENTINA S.A.
COLECTORA ESTE PANAMERICANA, RAMAL PILAR
C.U.I.T : 30-70782242-9

Article desc. CoA
Comment

NIACINAMIDE FCC

CERTIFICATE OF ANALYSIS

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Test	Result	Limits / Specifications	Dimension / Units
Appearance visual	crystalline powder	crystalline powder	
Colour visual	white	white	
Assay HPLC	99.5	99.0 to 101.0	% w/w
Related Substances: Any unknown impurity HPLC	0.1	max. 0.5	% w/w
pH of solution Ph.Eur. of Nicotinamide	7.4	6.0 to 7.5	
Clarity of solution Ph.Eur. of Nicotinamide	0.29	max. 3.00	NTU
Colour of solution (calc./BY) Ph.Eur. of Nicotinamide	7	min. 7	
melting range start. point Ph.Eur. of Nicotinamide	129	128 to 131	°C
melting range end. point Ph.Eur. of Nicotinamide	130	128 to 131	°C
Particle Size Fraction min. 50 µm sieve analysis	100	min. 90	% w/w
min. 250 µm sieve analysis	1	max. 8	% w/w
Sulphated Ash Ph.Eur. of Nicotinamide	0.02	max. 0.10	% w/w
Heavy Metals USP (method II) of Niacinamide	<10	max. 10	ppm
Readily carbonizable substances USP of Niacinamide	passes test	passes test	
Identification UV, USP of Niacinamide	corresponds	0.63 to 0.67	
Identification IR, EP/USP of Niacinamide	corresponds	corresponds	
Loss on drying Ph.Eur. of Nicotinamide	0.1	max. 0.5	% w/w
Lead USP <730>	corresponds*	max. 1	ppm
Absorption at 261nm Absorption at 261nm	423	417 to 443	



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*) checked at regular intervals

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:

FCC, USP and ChP

DSM Nutritional Products Ltd
The Quality Assurance Manager

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Liu Yange