

# Niacinamide FCC



## *Coversheet for Certificate of Analysis*

Productcode : 5016011  
Lot No. : 0000208947  
Analysis No. : 03F35637

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CfC Number : 05170569  
Articlecode : 5016011366  
Sales Name : 25 KG BOX Niacinamide FCC  
Manufacturing Date : 14-NOV-2022  
Best Use Before Date : 13-NOV-2025  
Delivery Note No. 1124112796  
Destination : Argentina  
Customer Ref. No : 4501750307  
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

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# NIACINAMIDE FCC

## CERTIFICATE OF ANALYSIS

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Test	Result	Limits / Specifications	Dimension / Units
<b>Appearance</b> visual	crystalline powder	crystalline powder ✓	
<b>Colour</b> visual	white	white ✓	
<b>Assay</b> HPLC	99.5	99.0 to 101.0 ✓	% w/w
<b>Related Substances:</b> Any unknown impurity HPLC	0.1	max. 0.5	% w/w
<b>pH of solution</b> Ph.Eur. of Nicotinamide	7.2	6.0 to 7.5	
<b>Clarity of solution</b> Ph.Eur. of Nicotinamide	0.26	max. 3.00	NTU
<b>Colour of solution (calc./BY)</b> Ph.Eur. of Nicotinamide	7	min. 7	
<b>melting range start. point</b> Ph.Eur. of Nicotinamide	129	128 to 131 ✓	°C
<b>melting range end. point</b> Ph.Eur. of Nicotinamide	130	128 to 131	°C
<b>Particle Size Fraction</b> min. 50 µm sieve analysis	100	min. 90	% w/w
min. 250 µm sieve analysis	<1	max. 8	% w/w
<b>Sulphated Ash</b> Ph.Eur. of Nicotinamide	0.04	max. 0.10	% w/w
<b>Heavy Metals</b> USP (method II) of Niacinamide	<10	max. 10 ✓	ppm
<b>Readily carbonizable substances</b> USP of Niacinamide	passes test	passes test	
<b>Identification</b> UV, USP of Niacinamide	corresponds	0.63 to 0.67	
<b>Identification</b> IR, EP/USP of Niacinamide	corresponds	corresponds	
<b>Loss on drying</b> Ph.Eur. of Nicotinamide	0.0	max. 0.5	% w/w
<b>Lead</b> USP <730>	corresponds*	max. 1	ppm
<b>Absorption at 261nm</b> Absorption at 261nm	429	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

*Yange*

*Liu*

Liu Yange