

NIACINAMIDE



Coversheet for Certificate of Analysis

Productcode : 0487848
Lot No. : OP11808013
Analysis No. : 03D28488

CfC Number : 03677137
Articlecode : 0487848340
Sales Name : 20 KG CARTON NIACINAMIDA
Manufacturing Date : 18-AUG-2018
Best Use Before Date : 17-AUG-2021
Delivery Note No. 2422054427
Destination : Spain
Customer Ref. No : A-2190179
Customer Article No:
Customer Name: SIEMSGLUSS IBERICA, S.A
POL. IND. SANT ANTONI P6
N2
SANT VICENÇ DELS HORTS
(BARCELONA)

Comment

NIACINAMIDE

CERTIFICATE OF ANALYSIS

Productcode : 0487848
Lot No. : OP11808013
Analysis No. : 03D28488

Test	Result	Limits / Specifications	Dimension / Units
Appearance	crystalline powder	crystalline powder	
visual			
Colour	white	white	
visual			
Assay	99.8	99.0 to 101.0	% w/w
HPLC			
Related Substances:			
Nicotinic acid	<0.05	max. 0.10	% w/w
HPLC			
3-cyanopyridine	<0.05	max. 0.10	% w/w
HPLC			
Any unknown impurity	<0.05	max. 0.10	% w/w
HPLC			
Total impurity	<0.1	max. 0.2	% w/w
HPLC			
pH of solution	6.6	6.0 to 7.5	
Ph.Eur. of Nicotinamide			
Clarity of solution	0.13	max. 3.00	NTU
Ph.Eur. of Nicotinamide			
Colour values (CIELAB) L*	99.9	90.0 to 101.0	
Colour Instrument Measurement			
Colour values (CIELAB) a*	0.1	-10.0 to 10.0	
Colour Instrument Measurement			
Colour values (CIELAB) b*	0.0	-10.0 to 10.0	
Colour Instrument Measurement			
Colour of solution (calc./BY)	>7	min. 7	
Ph.Eur. of Nicotinamide			
Loss on drying	0.0	max. 0.5	% w/w
USP of Niacinamide			
melting range start.point	129.3	128.0 to 131.0	°C
Ph.Eur. of Nicotinamide			
melting range end.point	129.4	128.0 to 131.0	°C
Ph.Eur. of Nicotinamide			
Particle Size Fraction			
min. 50 µm	99	min. 90.0	% w/w
sieve analysis			
min. 250 µm	1	max. 8.0	% w/w
sieve analysis			
Sulphated ash	0.05	max. 0.10	% w/w
Ph.Eur of Nicotinamide			

NIACINAMIDE

CERTIFICATE OF ANALYSIS

Productcode : 0487848
Lot No. : OP11808013
Analysis No. : 03D28488

Test	Result	Limits / Specifications	Dimension / Units
Heavy Metals USP (method II) of Niacinamide	<20	max. 20	ppm
Chloride Limit test JP	<70	max. 70	mg/kg
Sulfate Limit test JP	<190	max. 190	mg/kg
Readily carbonizable substances USP of Niacinamide	passes test	passes test	
Identification UV, USP of Niacinamide	corresponds	corresponds	
Identification NaOH, JP of Niacinamide	corresponds	corresponds	
Identification IR, EP/USP of Niacinamide	corresponds	corresponds	
Loss on drying Ph. Eur. of Niacinamide	0.0	max. 0.5	% w/w
Lead USP <730>	corresponds*	max. 2	ppm

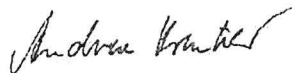
*) checked at regular intervals

This lot was analysed and released by our authorized Quality Control Department and was found to meet the specifications as given above.

The product meets all requirements of the following valid compendia when tested accordingly:

USP,FCC,Ph.Eur.

DSM Nutritional Products Ltd
The Quality Assurance Manager



Kreutzer Andrea