

CERTIFICATE OF ANALYSIS


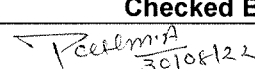

TC- 9784

Product Name	NIACINAMIDE (NICOTINAMIDE)	Grade	Ph. Eur.
Batch No.	B2208-NIA157R	Batch Qty.	40 MT
Mfg. Date	August-2022	Expiry Date	July-2027
A.R. No.	F22QC1-00157	Specification No.	FPS/NIA/F00092/SPEC-01
Storage condition	Preserve in tight containers	Sampling Plan	JVL/QC1/SOP/011
Date of Sampling	27/08/2022	Date of Approval	29/08/2022
Report No.	NIA/22/00603-00	Container No.	TCNU 8846027
Customer Name	JUBILANT LIFE SCIENCES N.V.	Dispatch Qty.	20 MT
Packing Detail	Aluminium bag 25 Kg		

Sr. No.	Test	Specification	Result
1.	Characters	A white or almost white, crystalline powder or colorless crystals, freely soluble in water and in anhydrous ethanol, slightly soluble in methylene chloride.	A white crystalline powder, freely soluble in water and in anhydrous ethanol, slightly soluble in methylene chloride.
2.	Identification		
	A. Melting Point	128.0 °C – 131.0°C.	128.5°C – 129.7°C
	B. By IR	IR absorption spectrum of the sample should be concordant with the spectrum obtained with Niacinamide working standard.	IR absorption spectrum of the sample is concordant with the spectrum obtained with Niacinamide working standard.
	C. Thin-layer chromatography	The principal spot in the chromatogram obtained with the test solution is similar in position and size to the spot in the chromatogram obtained with the reference solution.	The principal spot in the chromatogram obtained with the test solution is similar in position and size to the spot in the chromatogram obtained with the reference solution.
3.	Appearance of Solution (5% in aq. Solution)	Solution should be clear and not more intensely colored than reference solution BY ₇ .	Solution is clear and not more intensely colored than reference solution BY ₇ .
4.	pH (5% in aq. Solution)	6.0 - 7.5	6.59
5.	Related Substances %w/w (by HPLC)		
	(A) Unspecified impurity	0.10% w/w (max)	0.06 %w/w
	(B) Total impurity	0.20 % w/w (max)	0.06 %w/w
6.	Loss on Drying (in vacuo for 18 hrs)	NMT 0.50 % w/w	0.06 %w/w
7.	Sulfated Ash	NMT 0.10 % w/w	0.08 % w/w
8.	Assay (on dried basis) (by Titration)	NLT 99.0 % and NMT 101.0 % w/w	99.7 %w/w

Remark:

- 1) The material complies as per above specification.
- 2) ISO/IEC 17025 Accredited Testing Laboratory by NABL vide Certificate number TC-9784
- 3) The result listed refers only to the tested sample(s)/product and applicable parameter(s). Endorsement of product is neither inferred nor implied.
- 4) Sample will be destroyed after one month from the date of issue of test certificate unless or shelf life of products.
- 5) This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law, and should not be used in any advertising media without our special permission in writing.

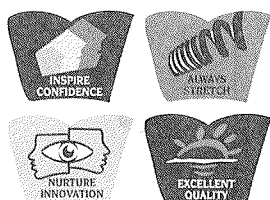
Sign./Date	Prepared By	Checked By	Approved By
			
Name	Kuldip Singh Ramesh	Minhaj Patel	Shiv Kumar

Format No.: QC1-030/F01-06

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A Jubilant Bhartia Company

OUR VALUES



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 Tel: +91 120 4361000
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Regd. Office :
 Bhartiagram, Gajarula
 Dist. Amroha - 244 223,
 Uttar Pradesh, India
 CIN : U24299UP2019PLC122657

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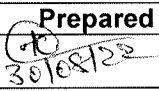
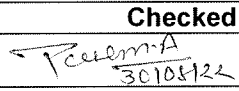
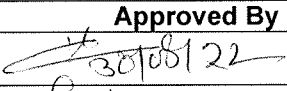
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Storage condition	Preserve in tight containers	Sampling Plan	JVL/QC1/SOP/011
Date of Sampling	27/08/2022	Date of Approval	29/08/2022
Report No.	NIA/22/00604-00	Container No.	MRKU 5077061
Customer Name	JUBILANT LIFE SCIENCES N.V.	Dispatch Qty.	20 MT
Packing Detail	Aluminium bag 25 Kg		

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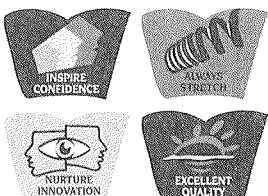
Sign./Date	Prepared By	Checked By	Approved By
			
Name	K. D. Singh Rajni	P. Kumar Rajni	J. Kumar Rajni

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