

10800 231st Way NE Redmond, WA 98053 Phone: 425-292-9502 makingcosmetics.com



Certificate of Analysis

(Representative Sample Certificate)

Product Name:	Vitamin B3 (Niacinamide) PC
INCI Name:	Niacinamide
CAS Number:	98-92-0
Lot Number:	Not available (data may vary slightly with different lots or batches)
Expiration Date:	36 months from production date

Property	Specification	Analysis
Appearance	Crystalline powder	Pass
Color	White	Pass
Assay	99.0-101.0% w/w	99.6% w/w
Related Substances - 3-Cyanodyridine	0.10% w/w MAX	0.02% w/w
Related Substances - Any Unknown Impurity	0.10% w/w MAX	0.02% w/w
Related Substances - Total of Impurities	0.2% w/w MAX	0.0% w/w
Nicotinic Acid	100 ppm MAX	76 ppm
pH of Solution	6.0-7.5	7.2
Clarity of Solution	3.00 NTU MAX	0.68 NTU
Color Values (CIELAB) L*	90.0-101.0	98.2
Color Values (CIELAB) a*	-10.0 to 10.0	0.0
Color Values (CIELAB) b*	-10.0 to 10.0	1.0
Color of Solution (calc./BY)	7 MIN	7
Melting Range Start Point	128-131°C	129°C
Melting Range End Point	128-131°C	130°C
Particle Size Fraction - 50 µm Sieve	90% w/w MIN	100% w/w
Particle Size Fraction - 250 µm Sieve	8% w/w MAX	<1% w/w

<u>Disclaimer</u>: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitableness & completeness of such information for his own particular use.



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Property	Specification	Analysis
Sulphated Ash	0.10% w/w MAX	0.02% w/w
Heavy Metals	10 ppm MAX	<10 ppm
Chloride	70 mg/kg MAX	<70 mg/kg
Sulfate	190 mg/kg MAX	<190 mg/kg
Readily Carbonizable Substances	Passes test	Pass
Identification - UV	0.63-0.67	Pass
Identification - IR	Passes test	Pass
Loss on Drying	0.5% w/w MAX	0.0% w/w
Lead	1 ppm MAX	Pass
Total Aerobic Microbial Count	100 CFU/g MAX	Pass
Total Combined Yeast & Mold	100 CFU/g MAX	Pass
E. coli	Negative in 1g	Pass
Staphylococcus aureus	Negative in 1g	Pass
Pseudomonas aeruginoas	Negative in 1g	Pass
Candida albicans	Negative in 1g	Pass

The above data were obtained using the test indicated and is subject to the deviation inherent in the test method. Results may vary under other test methods or conditions.

This report is not to be signed.

All data are as per our supplier.

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