GREEN VALLEY LABORATORY

CERTIFICATE OF ANALYSIS

Product:	Niacinamide PC		
Lot #:	11401	**Re-test:**	March 2028
CAS #:	98-92-0		

Property	Specification	Analysis
Appearance vs spec	White Crystalline Powder	Pass
Assay, Wt% (HPLC)	99.0 - 101.0	99.8
3-Cyanopyridine, Wt% (HPLC)	0.10 Max	< 0.05
Unspecified Imps (Numeric), Wt% (HPLC)	0.10 Max	< 0.05
Total Impurity Content, Wt% (HPLC)	0.20 Max	< 0.10
Nicotinic Acid, mg/kg (HPLC)	200 Max	92
pH (5g / 100ml water) (EP)	6.0 - 7.5	6.5
Clarity of Solution (5g/100ml), NTU (EP)	3.00 Max	0.10
Colour Values (L*) (CIELAB)	90.0 - 101.0	100.0
Colour Values (a*) (CIELAB)	-10.0 - 10.0	0.2
Colour Values (b*) (CIELAB)	-10.0 - 10.0	-0.3
Colour of Soln.[BY] (5g/100ml)	7 Max	< 7
Loss on Drying, Wt% (USP/EP)	0.5 Max	0.0
Melting Point Range (Start), °C (Opt. Transm.)	128.0 - 131.0	128.9
Melting Point Range (End), °C (Opt. Transm.)	128.0 - 131.0	129.9
Particle Size Fraction >=50um, Wt%	90 Min	100
Particle Size Fraction >=250um, Wt%	8 Max	2
Sulphated Ash, Wt% (USP/EP)	0.10 Max	< 0.05
Heavy Metals, mg/kg (USP(meth. II))	20 Max	< 20
Chloride (Limit Test), mg/kg (JP)	70 Max	< 70
Sulphate (Limit Test), mg/kg (JP)	190 Max	< 190
Readily Carbonisable Substance (USP/JP)	Matching Fluid A	Pass
Identification (UV) (USP/EP/JP)	Corresponds	Pass
Identification (NaOH) (JP)	Corresponds	Pass
Identification (IR) (USP/EP/JP)	Corresponds	Pass
Additional Information		
Lead(Pb)	<2ppm	checked periodically
Residual solvents (USP<467>)		Conforms, solvents not used

Property	Specification	Analysis
Compendial		Conforms to current requirement of EP, USP, FCC

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

DISCLAIMER

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