

TYPICAL CERTIFICATE OF ANALYSIS

Name of the product : INOSITOL NICOTINATE BP

SR. NO.	TESTS	SPECIFICATIONS (As per BP)	OBSERVATIONS
1.	Description	White crystalline powder. (Characteristic Odor)	White crystalline powder. (Characteristic Odor)
2.	Identification (By IR)	Should be concordant with Reference Spectrum of Inositol Nicotinate RS	Is Concordant with Reference Spectrum.
3.	Loss on Drying	NMT 0.5%	0.36%
4.	Clarity and Colour of solution	5% w/v Solution in 0.5 M Sulphuric Acid should be Clear and not more intensely coloured than Reference Solution BY6.	Clear and not more Coloured than Reference Solution BY6.
4.	Residue on Ignition (Sulphated Ash)	NMT 0.1%	0.02%
5.	Chloride	NMT 350 ppm.	Less than 100 ppm.
6.	Free Nicotinic Acid	NMT 0.8 ml of 0.02 M Sodium Hydroxide should be consumed to produce the first Pink Color.	Less than 0.8 ml. is required.
7.	Related Substances	Total impurities : NMT 1.5% Single impurity : NMT 0.75%	Passes as per BP limit.
8.	Heavy Metals (Lead)	NMT 10 ppm. (0.001%)	Less than 10 ppm.
9.	Acetone Content	Should match with BP limit	Confirms.
10.	Assay	98 % to 101 %	99.85%.
11.	Microbial Test		
	Total viable Aerobic count	Max. 1000 cfu/gm.	Passes
	Mould and yeast	Max. 100 cfu/gm.	Passes
	Staphylococcus Aureus	Negative	Negative
	E. Coli	Absent in 10 gms.	Negative
	Salmonella	Absent in 50 gms.	Negative

The Sample Complies as per the standards of BP