

PRODUCT: INNOKOAT NCS (Aqueous / Solvent Film Coating System with Natural Colourants)

Specification

S. No.	TEST	SPECIFICATIONS
01.	Appearance	White / Coloured Powder
02.	Ph	4.0 – 7.5
03.	Particle size (Test done on Wet Slurry)	NLT 99% w/w passes through 100 # ASTM sieve
04.	Bulk Density	0.4 - 0.9 gm/cc
05.	Ash	35.00 %w/w
06.	Arsenic	Not more than 2 ppm
07.	Heavy Metals	Not more than 10 ppm

Note: Customized product will be available on request.

METHOD OF USAGE

Coating Pan Size : 12" Conventional Coating Pan with 3 Baffles / Auto coater
 Batch Size : 1.000 kg Placebo Tablets
 Actual Weight gain : 2.5 % w/w on Tablets
 Process Loss : 0.5 %
 Quantity of Innokoat : 30.0 gms (including loss)

FORMULATION:

Ingredient	Aqueous film Coating System	Solvent Film Coating System
	11 % w/w Reconstitution level	5 % w/w Reconstitution level
Innokoat NCS	30 gms	30 gms
Purified Water	242 gms	XXX
Iso Propyl Alcohol	XXX	200 gms
Methylene Chloride	XXX	370 gms
Total	272 gms	600 gms

PROCEDURE OF MIXING: (Aqueous film Coating System)

Aqueous Coating System: Take required quantity of Purified water in vessel. Stir with Propeller Stirrer to form vortex. Add Innokoat in to the vortex; continue to stir for 45 minutes. Pass the solution / dispersion through 80 mesh & then use for coating.

PROCEDURE OF MIXING: (Solvent Film Coating System)

Take required quantity of IPA in vessel. Stir with Propeller Stirrer to form vortex. Add Innokoat™ in to the vortex & then add required quantity of Methylene Chloride, continue to stir for 45 minutes. Pass the solution / dispersion through 80 mesh & then use for coating.

PROCEDURE OF MIXING: COATING PARAMETERS:

Coating Pan RPM : 25 to 30 Spray gun : 1 - 1.2 mm nozzle
 Atomization Pressure : 1 – 1.5 kg / cm² Spray Rate : 3-5(Aqueous)& 15 to 25(Solvent)-g/m
 Inlet Air Temp. : 60 to 65°C Product Bed Temp : 40 to 45°C

Pre-warming: 10 mins at slow rpm or by inching

Post Drying: 5 mins at slow rpm or by inching at 40°C

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