

**PRODUCT: INNOKOAT MCS (Solvent Moist Care Film Coating System)**

**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:**

Product: INNOKOAT™ MCS

Coating Pan Size : 12" Conventional with 3 Baffels / Autocoater

Batch Size : 1.0 kg Tablets

Actual Weight gain : 3.5 % w/w on Placebo Tablets

Process Loss : 0.5 %

Quantity of Innokoat : 40.0 gms (including loss)

**FORMULATION:**

Solvent	Reconstitution	Formulation (Solvent Moistcare Film Coating System)	
Organic	5% w/w	Innokoat MCS	: 40 g
		Iso Propyl Alcohol	: 266 g
		Methylene Chloride	: 494 g
		Total	: 800 g

**PROCEDURE FOR MIXING:**

Formulation: 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.

**COATING PARAMETERS:**

Coating Pan RPM : 25 to 30

Spray gun: 1 - 1.2 mm nozzle

Atomization Pressure : 1 – 1.5 kg / cm<sup>2</sup>

Spray Rate: 15 to 25 gms per minutes

Inlet Air Temp. : 60 to 65 °C

Product Bed Temp.: 40 to 45 °C

Prewarming: 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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