

**PRODUCT: INNOKOAT DR-CELLO (Solvent Enteric Film Coating System)**

**SPECIFICATIONS:**

| S. N. | TEST                                    | SPECIFICATIONS                              |
|-------|---|---|
| 01.   | Appearance                              | White /Coloured Powder                      |
| 02.   | Ph                                      | 2.5 – 7.5                                   |
| 03.   | Particle size (Test done on Wet Slurry) | NLT 99% w/w passes through 100 # ASTM sieve |
| 04.   | Bulk Density                            | 0.25 - 0.8 gm/cc                            |
| 05.   | Ash                                     | 35.00 %w/w                                  |
| 06.   | Arsenic                                 | Not more than 3 ppm                         |
| 07.   | Heavy Metals                            | Not more than 20 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 Seal Coated Placebo Tablets  
 Actual Weight gain : 8 % w/w on Tablets  
 Process Loss : 20 %  
 Quantity of Innokoat : 100 gms (including loss)

**FORMULATION:**

|                    |                        |
|--------------------|------------------------|
| Ingredient         | 5 % w/w Reconstitution |
| Innokoat™ DR-CELLO | 100 gms                |
| Iso Propyl Alcohol | 190 gms (10%)          |
| Methylene Chloride | 1710 gms (90%)         |
| Total              | 2000 gms               |

**PROCEDURE OF MIXING:**

Take required quantity of Iso Propyl Alcohol in a vessel. Stir with Propeller Stirrer to form vortex. Add quantity of Innokoat™ in vortex then add Methylene Chloride & continue stirring for 45 minutes. Pass solution / dispersion through 80 mesh & then use for coating. Stir the solution / dispersion continuously during entire coating process.

**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: 5 to 15 gm / mins  
 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: 10 mins at slow rpm or by inching

**Note:** It may be useful to apply Seal Coating on Tablets with Innokoat MCS (Seal Coat)-(2.5 to 3 % w/w weight gain) before Enteric Coating.

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