

PRODUCT: INNOKOAT SGECS (Aqueous Enteric Film Coating System for Soft Gel Capsules)

SPECIFICATIONS:

| S. No | TEST | SPECIFICATIONS |
|-------|-----------------------------------|--|
| 1 | Description | White liquid of low viscosity with a faint characteristic odour |
| 2 | Solubility | A] The Innokoat™ - SGECS is dispersible with water in any proportion, the milky-white appearance being retained. B] Innokoat™ - SGECS partially dissolves to give clear to cloudy solutions by mixing 1 part of sample in 5 parts of isopropyl alcohol. |
| 3 | Residue on evaporation | 10.0-30.0 % |
| 4 | Loss on drying | 70.00% -90.0 % |
| 5 | pH | 2.0 – 7.0 |
| 6 | Viscosity | NMT 15 cps |
| 7 | Assay of MAA units on dried basis | 30.00% - 50.60 % |
| 8 | Residue on ignition | NMT 0.5 % |

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 Soft Gel Capsules
 Actual Weight gain : 12-15 % w/w on Soft Gel Capsule (Application % Vary to the size of Capsules)
 Quantity of Innokoat™ : 600 – 750 gm Aqueous Dispersion (including process loss)

FORMULATION:

| | |
|--------------------------------------|---------------------------|
| Ingredient | 18-20% w/w Reconstitution |
| Innokoat™ SGECS (Aqueous Dispersion) | 600 gms |
| Total | 600 gms |

Note: Addition of Purified water & Colourants will possible depend on requirement & proper advice from P.J.Healthcare

PROCEDURE OF MIXING:

Take the required quantity of Innokoat dispersion & pass through 80 mesh & then use for coating. Stir the 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 / cm² Spray Rate: 5 to 8 gm / mins
 Inlet Air Temp. : 55 to 60 °C Product Bed Temp.: 35 to 40°C

Prewarming: 5 mins at slow rpm or by inching

Post Drying: 10 mins at slow rpm or by inching

Remarks:

Polish the post dried capsule with 1 – 2 Gms of Liquid Paraffin.

Dry the Enteric Coated Capsules between 30-35°C for 2 hrs in a tray dryer & send the Sample to Q.C for analysis.

Process Parameters can change by the customer according to batch and pan size

Our technical advice is given without obligation. The buyer is responsible for application and processing of our products and is also liable for observing any third-party rights. Technical data concerning our products are of typical values.