

Innovative Coating Material for tablets, pellets, granules and more.



www.marcoat.com

APPLICATIONS

- Masks taste and odor
- Acts as a seal coating
- Prevents core "bleed through"
- Improves stability
- Prevents moisture transmission
- For controlled or immediate release
- Enhances tablet elegance

ADVANTAGES

- Organic solvent free
- Compatible with other coating systems
- Widely accepted ingredient
- Provides a high gloss film
- Good adhesion
- Low tablet to tablet cohesion
- Low viscosity

DESCRIPTION

The quality and specification of the natural polymer shellac depends on the raw material as well as the process used for refining. MarCoat is based on a dewaxed and decolorized shellac (dewaxed orange shellac) refined in a solvent extraction process. During this process, the color is reduced by activated carbon. The chemical structure of shellac is not modified by this process. MarCoat is a clear to slightly cloudy amber and very stable aqueous solution.

PHYSICAL PROPERTIES @ 25°C

Appearance: Clear to slightly cloudy amber solution

Color: CIE L*A*B*: L value > 30

Odor: Characteristic sweet odor

Solids: Dewaxed Orange Shellac NF

Solid Content: 25% ± 1% by weight

Specific Gravity: 1.04 ± 0.03

pH: 7.3 ± 0.3

Viscosity (25°C): #3 Zahn, < 20 sec

Flash point: no flash point, < 1% VOC's

INGREDIENTS

MarCoat 125

Shellac ammonium salt 68308-35-0

Methyl Paraben 99-76-3

Propyl Paraben 94-13-3

Isopropyl Alcohol 67-63-0

MarCoat 125n

Shellac ammonium salt 68308-35-0

INSTRUCTIONS

MarCoat can be used as supplied or diluted with demineralized water to the desired concentration. Additives, fillers, pigments, plasticizers or other resins or polymers (Methyl cellulose, HPMC, HPC, PVP) can be added or used in formulations due to good compatibility. MarCoat can be applied in side vented or perforated pans or fluidbed coaters. Coating and drying conditions depend on the equipment used. Due to quick film-building and drying, short processing times are possible.

MarCoat can be used as a film-former for edible printing inks, laminating inks, paper coatings, etc.

MarCoat 125 contains preservatives. **MarCoat 125n** does not contain preservatives

STORAGE

Preferred storage conditions: Cool environment in a tightly closed container. Freeze-thaw stable.

Packaging: 5 gallon plastic pails
55 gallon plastic drums

Shelf Life: From date of manufacture:
MarCoat 125- 6 months
MarCoat 125N- 6 months

CLEANING

A 10% aqueous sodium carbonate solution is recommended for stainless steel equipment. If necessary, the solution can be applied at a temperature of 40-50°C.



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