Innovative Coating Material for Tablets, Pellets, Granules and More.

### APPLICATIONS
- Masks taste and odor
- Acts as a seal coating
- Prevents core “bleed through”
- Improves stability
- Prevents moisture transmission
- For immediate release
- Enhances tablet elegance

### ADVANTAGES
- Organic solvent free
- Compatible with other coating systems
- Widely accepted, GRAS ingredients
- Provides a high gloss film
- Improves film adhesion
- 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, 25% solids, aqueous solution.

### SPECIFICATIONS

<table>
<thead>
<tr>
<th></th>
<th>INGREDIENTS</th>
<th>CAS#</th>
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<tbody>
<tr>
<td>Color (Hunter LAB):</td>
<td>L &gt; 30</td>
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<tr>
<td>Solids Content:</td>
<td>25% ± 1% w/w</td>
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<td>Specific Gravity:</td>
<td>1.04 ± 0.03</td>
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<tr>
<td>pH:</td>
<td>7.3 ± 0.3</td>
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<tr>
<td>Viscosity (25°C):</td>
<td>&lt;20 sec (Zahn #3)</td>
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### INSTRUCTIONS
**MarCoat™** can be used as supplied or diluted with demineralized water to the desired concentration. **MarCoat™** is compatible with a wide variety of additives including fillers, pigments, plasticizers or other resins or polymers (MC, HPMC, HPC, PVP). **MarCoat™** can be applied in side vented/perforated pans or fluid bed coaters. Coating and drying conditions depend on the equipment used. Due to the low viscosity of **MarCoat™**, higher solids concentrations and shorter processing times are possible.

### 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: 6 months (from date of manufacture)

### 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.