



Starch 1500 LM is a unique, global pharmaceutical excipient combining several properties in a single product. It is manufactured to a moisture level of not more than 7%. Starch 1500 LM performs the multiple functions of a binder, disintegrant, flow-aid and self-lubricant. It is extremely versatile, being effective in a variety of processing methods for solid oral dosage forms.

	<b>Direct Compaction</b>	<b>Wet Granulation</b>	<b>Capsule Plug Formation</b>
<b>Binder</b>	<b>X</b>	<b>X</b>	<b>X</b>
<b>Disintegrant</b>	<b>X</b>	<b>X</b>	<b>X</b>
<b>Flow Aid</b>	<b>X</b>	<b>X</b>	<b>X</b>
<b>Lubricant</b>	<b>X</b>	<b>X</b>	<b>X</b>

### **BINDER**

- Functions as both a wet and dry binder to allow process flexibility.
- Enhances the functionality of other excipients to produce tablets with excellent hardness and low friability.
- Reduces process costs associated with the preparation of typical binder solutions.

### **DISINTEGRANT**

- Provides effective disintegration and eliminates the need for costly super disintegrants, which can reduce film coating quality.

### **FLOW-AID**

- Excellent flow properties ensure drug content and weight uniformity of tablets and capsules.

### **LUBRICANT**

- Self-lubricating property eliminates any negative effect on dissolution or film coating quality seen with other lubricants.

### **REGULATORY**

- Meets PhEur and USP/NF specifications for pregelatinized Starch.

### **BOTANICAL SOURCE**

- Maize (does not contain gliadin gluten)

### **NOVEL APPLICATIONS**

- Moisture Sensitive Actives:  
Supports long-term stability
- Low Dose Actives:  
Delivers superior drug uniformity
- Film Coated Tablets:  
Enhances coating performance and productivity
- Controlled Release:  
Improves flow properties of HPMC matrix formulations

### **TECHNICAL SUPPORT**

- Worldwide network of technical service laboratories
- Formulation and application development
- Scale-up support

### **PACKAGING**

- Starch 1500 is packaged in 50 kg fiber drums fitted with two polyethylene liners.

For more information on Starch 1500<sup>®</sup> visit our web site at [www.colorcon.com/excipients](http://www.colorcon.com/excipients)

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Humacao, Puerto Rico	787-852-3815	787-852-0030	Shanghai, China	86-21-5442-2222	86-21-5442-2229
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