

## ProCap™ 90

### Capsule Excipient

**ProCap™ 90** is a versatile, low-cost capsule fill excipient that can be used with numerous active pharmaceutical ingredients (APIs). It exhibits superior flow, uniform particle size, and packing properties resulting in optimal content uniformity, stability, and dissolution. With its unique amorphous surface structure resulting from proprietary processing, the increased surface area is a five-fold increase, as well as in a 30-50% compaction increase compared to traditionally processed Microcrystalline Cellulose.

SKU	Size	NDC/Reference No.
B0226-50	500 g	72467-0226-50
B0226-60	2.5 kg	72467-0226-60
B0226-65	5 kg	72467-0226-65
B0226-70	10 kg	72467-0226-70
B0226-73	20 kg	72467-0226-73

#### Benefits:

- ✓ Excellent flow properties
- ✓ Excellent packing characteristics
- ✓ Improved blending properties
- ✓ Superior binding properties
- ✓ Increased production capacity
- ✓ Cost savings: reduced amount of excipient required per capsule

#### Formulated Without:

- Lactose
- Gluten
- Casein
- Soy
- Corn
- Tree Nuts
- Sorbitol
- Dye
- Sugar
- Sodium Lauryl Sulfate (SLS)
- Magnesium Stearate

#### Capsule Packing Statistics

Capsule Size	#5	#4	#3	#2	#1	#0	#00	#000
<b>ProCap 90™</b>	<b>0.050</b>	<b>0.080</b>	<b>0.113</b>	<b>0.138</b>	<b>0.186</b>	<b>0.255</b>	<b>0.363</b>	<b>0.549</b>
Lactose Monohydrate SD	0.106	0.169	0.227	0.290	0.392	0.546	0.745	1.137
CapsOral®	0.087	0.138	0.186	0.237	0.321	0.444	0.626	0.947
Hypromellose 2910/4000 cps (Methylcel E4M)	0.081	0.129	0.183	0.222	0.300	0.411	0.585	0.885
Hypromellose 2208/100,000 cps (Methylcel K100)	0.063	0.101	0.143	0.174	0.235	0.322	0.458	0.693
Microcrystalline Cellulose (Avicel Ph-105)	0.070	0.112	0.159	0.192	0.260	0.356	0.507	0.767

*Results may vary slightly from person to person due to a variety of factors. Weights listed in grams (g) per capsule.*

<b>Category</b>	Capsule Excipient
<b>Appearance</b>	White free-flowing powder
<b>Description</b>	ProCap™ 90 is a versatile capsule fill excipient that can be used with numerous active pharmaceutical ingredients (APIs). ProCap™ 90 exhibits superior flow, uniform particle size, and packing properties resulting in optimal content uniformity, stability, and uniform dissolution.
<b>Ingredients</b>	Proprietary pharmaceutical grade co-processed excipients of primarily modified microcrystalline cellulose, selected specifically for their particle size, physical properties, uniform blending and flow properties. Lactose-free. All ingredients are certified Kosher by the Orthodox Union (OU).
<b>Allergy</b>	Per the 2004 Food Allergen Labeling and Consumer Protection Act, no allergen declarations are required for this product as relating to corn, milk, egg, tree nut, fish, crustacean shellfish, wheat, peanuts, and soybeans. Gluten-free, non-GMO/vegan compliant.
<b>Technical Data</b>	Shelf Life: 2 years from date of manufacture when stored in original, unopened container. Density, at 25 °C approx. 0.58 g/cm <sup>3</sup>
<b>Safety Data</b>	All ingredients classified as “Generally Recognized As Safe” (GRAS) and inactive excipient ingredients by the US FDA. For information on the toxicology and safety of this product, please consult the material safety data sheet (MSDS).
<b>Handling &amp; Storage</b>	Comment: Due to some fine particles, this product is liable to become compacted or conglomerated. Storage Conditions: Product can be stored at ambient conditions for temperature, pressure, and humidity. Product should be kept in a tightly sealed container, under cool and dry conditions.
<b>Comments</b>	This information reflects US requirements for ingredients and allergy declarations. SpecializedRx makes no warranties or claims to the accuracy or completeness of the above information given the variations in use and formulations.