

# Hard Empty HPMC Capsules

Empty capsules are a great way to create custom supplement formulations and have several advantages over tablets and/or raw powders. Our Hydroxypropyl Methylcellulose (HPMC) capsules are derived from plant cellulose, making them a great alternative to gelatin for vegetarians and vegans. HPMC is not only a stable polymer with a low moisture content that makes it suitable for moisture-sensitive ingredients, but also is extremely resistant to higher-than-average heat and humidity.

## Main Benefits of HPMC Capsules

- **Vegetarian and Vegan Friendly** - Our HPMC capsules are produced from cellulose and are suitable for vegetarians and vegans.
- **Bulk Quantities Available** - We can provide bulk amounts of capsules.
- **Masks Unpleasant Tastes** - Our HPMC capsules can be used to mask the unpleasant tastes or powders by creating a layer around the ingredients.
- **Longer Shelf Life** - Due to the skin they create around the ingredients, formulations can be created to have a longer shelf life than tablets.
- **Easy to Swallow** - Some people prefer taking our capsules to pills and find them easier to swallow.
- **Halal and Kosher Certified** - Our HPMC capsules are both halal and kosher.
- **Quicker Dispersion** - Capsules allow powders to be dispensed in an uncompressed form, unlike tablets which are compressed.



## Specifications

Empty Capsule Size										
Capsule size	000	00E	00	0E	0	1	2	3	4	5
Empty Capsule Volume Capacity (ml)										
Capacity	1.37	1.00	0.90	0.78	0.68	0.48	0.36	0.27	0.20	0.13
Empty Capsule Overall Closed Length										
mm (tolerance)	26.1 (± 0.3)	25.3 (±0.3)	23.4 (±0.3)	23.5 (±0.3)	21.6 (±0.3)	19.4 (±0.3)	17.6 (±0.3)	15.7 (±0.3)	14.3 (±0.3)	11.1 (±0.4)
in (tolerance)	1.029 (±0.0012)	0.906 (±0.012)	0.921 (±0.012)	0.909 (±0.012)	0.85 (±0.012)	0.764 (±0.012)	0.693 (±0.012)	0.618 (±0.012)	0.563 (±0.012)	0.437 (±0.016)
Empty Capsule External Diameter										
Cap	9.91 mm 0.390 in	8.58 mm 0.338 in	8.56 mm 0.337 in	7.65 mm 0.301 in	7.64 mm 0.301 in	6.96 mm 0.274 in	6.39 mm 0.252 in	5.85 mm 0.230 in	5.33 mm 0.210 in	4.91 mm 0.193 in
Body	9.55 mm 0.375 in	8.23 mm 0.376 in	7.36 mm 0.289 in	7.35 mm 0.289 in	6.63 mm 0.290	6.12 mm 0.241	5.60 mm 0.220 in	5.60 mm 0.220 in	5.08 mm 0.200 in	4.68 mm 0.184 in
Empty Capsule Quantity Per Case										
Capsules per box	50,000	65,000	75,000	90,000	100,000	125,000	175,000	200,000	250,000	350,000