



**Vcaps™**

**Capsules of Plant Origin**



*The World's Leader in Two-Piece Capsules™*

**CAPSUGEL**

*Your Natural Partner™*

# Vcaps™

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## Consumer and Market Benefits



**A natural way to give your products more impact**

- Attractive dosage form for vegetarian products
- Suited for specific cultural needs
- Complementary to two-piece gelatin capsule products
- Compatible with a wide range of products



**Kosher Certified**



***Plus—all the benefits of two-piece capsules:***

- Easy to swallow
- Masks taste and odor
- Product visibility helps promote trust in the product and the brand manufacturer

**A robust container for hygroscopic formulations**

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## Product and Technology

**An innovative and natural product manufactured in accordance with the highest quality standards set by the pharmaceutical industry**

Vcaps are made from a cellulosic raw material, HPMC (hydroxy propyl methyl cellulose), using Capsugel's traditional dip moulding process and drying techniques. HPMC is widely used as an excipient in pharmaceuticals, food and cosmetics formulations and is described in:

- The "GRAS" list (Generally Recognized As Safe)
- United States and European Pharmacopoeia
- The European Union as E464

### **Guarantee of consistency**

- Dimensional and visual specifications identical to Coni-Snap® capsules
- Humidity: 5 to 8% (loss of drying) – an advantage for your hygroscopic formulations
- Certificate of Conformity ensures product compliance

### **Sizing that's right for your products**

- Available in natural transparent sizes 00, 0, 1, 3

### **A natural fit for today's technology**

- Fits all current capsule filling machines
- No special change parts required

### **The Capsugel advantage**

- Delivery of Vcaps capsules within two-weeks
- On-site technical service support



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## Product Characteristics and Dimensional Specifications

Capsule Size	00	0	1	3
<b>A. WEIGHT</b>				
Average weight in mg	118	95	75	47
Tolerance	±7	±6	±5	±3
<b>B. CAPACITY</b>				
Volume in ml	0.95	0.68	0.50	0.30
Weight capacity:				
Powder fill density (mg)				
0.6 g/ml	570	408	300	180
0.8 g/ml	760	544	400	240
1 g/ml	950	680	500	300
1.2 g/ml	1140	816	600	360
<b>C. LENGTH OF CAPSULE PARTS (BODY &amp; CAP)</b>				
BODY inches	0.796	0.726	0.654	0.535
Tolerance inches	±0.018	±0.018	±0.018	±0.018
BODY mm	20.22	18.44	16.61	13.59
Tolerance mm	±0.46	±0.46	±0.46	±0.46
CAP inches	0.462	0.422	0.385	0.318
Tolerance inches	±0.018	±0.018	±0.018	±0.018
CAP mm	11.74	10.72	9.78	8.08
Tolerance mm	±0.46	±0.46	±0.46	±0.46
<b>D. EXTERNAL DIAMETER</b>				
BODY inches	0.322	0.289	0.261	0.219
BODY mm	8.18	7.34	6.63	5.57
CAP inches	0.336	0.300	0.272	0.229
CAP mm	8.53	7.64	6.91	5.83
<b>E. OVERALL CLOSED LENGTH</b>				
Inches	0.917	0.854	0.765	0.626
Tolerance inches	±0.012	±0.012	±0.012	±0.012
mm	23.3	21.7	19.4	15.9
Tolerance mm	±0.3	±0.3	±0.3	±0.3

*Recommended Storage Conditions: 15° - 25°C 35% - 65% RH*

**If you need further information or would like to place an order, please contact us at:**

**Bornem, BELGIUM**

Rijksweg 11  
B-2880 Bornem  
Tel: +32-(0)3-890-05-11  
Fax: +32-(0)3-889-26-22

**Colmar, FRANCE**

10, rue Timken  
F-68027 Colmar Cedex  
Tel: +33-(0)3-89-20-57-09  
Fax: +33-(0)3-89-41-48-11

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