

TO THE ATTENTION OF:



Size 000 Clear Veg Capsule

CERTIFICATE OF ANALYSIS

The capsules are produced under very carefully controlled conditions. Controls are performed continuously throughout the process and guarantee that capsules conform to the highest quality standards. The capsules described below conform to the specifications as defined in the current edition of the Capsugel "Technical Reference File for Empty Vcaps® Capsules"

PRODUCT DESCRIPTION Empty Vcaps® Capsules

Customer:	STOCK	Capsugel Lot Number:	90225701
Product Name:		Customer Reference:	
Product Code:		Product Size:	Size 000
Manufacturing Date:	03 May 2013	Type:	Snap-Fit
Expiration Date:	03 May 2018	Capsugel Part Number:	G70SF000150
BODY		CAP	
Code:	V43.700	Code:	V43.700
Name:	NATURAL TRANSPARENT	Name:	NATURAL TRANSPARENT
IMPRINTING			
Logo:			
Design / Roll Code:			
Ink:			

Body Composition

Hypromellose qsp 100%

Cap Composition

Hypromellose qsp 100%

Due to the nature of raw materials, their sourcing, and technology improvements, the colorant composition data indicated are target values and actual values may vary to insure the consistency of lot color. Capsugel supports the expiry date if recommendations for warehousing and transportation are observed (recommended: 15°C-25°C and 35%-65% relative humidity)

Ingredient / Reference	E Nr	C.I. Nr	Function STRUCTURE	Regulatory References (EU)231/2012,EP,JP,USP/NF
Hypromellose	E464			

ANALYTICAL DATA

Characteristics	Test Method	Units	Specifications	Results
Identification of hypromellose	WI-0102B		Positive	pass *
Sulphated ash	WI-0108C	%	Less than 6	1 *
Arsenic	WI-0104L	ppm	Less than 1.5	0.000
Lead	WI-0104J	ppm	Less than 1	0.000
Cadmium	WI-0104I	ppm	Less than 0.5	0.0000
Mercury	WI-0104K	ppm	Less than 0.1	0.003
Lubricant content	WI-0095B	%	Less than 0.5	0.023 *
Disintegration time	WI-0101C	min/sec	Less than 30:00	4:41 *
Loss on drying	WI-0119	%	Less than 9	2.7
Average weight	WI-0118	mg	Between 157 to 169	163
Escherichia coli	WI-0111		Absence in 1 gram	pass
Salmonella	WI-0113		Absence in 10 grams	pass *
Staphylococcus aureus	WI-0114		Absence in 1 gram	pass
Pseudomonas aeruginosa	WI-0112		Absence in 1 gram	pass
Total Yeast and Mold Count	WI-0116	cfu/g	Less than 100	<10 *
Total Aerobic Microbial Count	WI-0115	cfu/g	Less than 1000	<10

* Reduced frequency testing