

TO THE ATTENTION OF:



Size 1 Clear Gelatin 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 Hard Gelatin Capsules"

PRODUCT DESCRIPTION Empty Hard Gelatin Capsules			
Customer:	STOCK	Capsugel Lot Number:	90234051
Product Name:		Customer Reference:	
Product Code:		Product Size:	Size 1, CS
Manufacturing Date:	22 Aug 2013	Type:	Coni-Snap
Expiration Date:	22 Aug 2018	Capsugel Part Number:	GIHCS000627
BODY		CAP	
Code:	0000	Code:	0000
Name:	NATURAL	Name:	NATURAL
IMPRINTING			
Logo:			
Design / Roll Code:			
Ink:			
Body Composition		Cap Composition	
GELATIN	qsp 100%	GELATIN	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 EP,JP,USP/NF
GELATIN				

ANALYTICAL DATA

Characteristics	Test Method	Units	Specifications	Results
Identification of gelatin	WI-0107A		Positive	pass *
Sulphated ash	WI-0108A	%	Less than 7	0 *
Arsenic	WI-0104D	ppm	Less than 1	0.0361 *
Lead	WI-0104B	ppm	Less than 1	0.0000 *
Cadmium	WI-0104A	ppm	Less than 0.5	0.0000 *
Mercury	WI-0104C	ppm	Less than 0.1	0.0005 *
Lubricant content	WI-0095A	%	Less than 0.5	0.018 *
Sulphur dioxide	WI-0093A	ppm	Less than 50	5.3 *
Disintegration time	WI-0101A	min/sec	Less than 15:00	2:28 *
Loss on drying	WI-0119	%	Between 13.0 to 16.0	14.6
Average weight	WI-0118	mg	Between 71 to 81	78
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