

PRODUCT SPECIFICATION

Document #: VSC-SD003

Approval Date: 08 June 2020

Product Name:	VegiSURGE® Natural Caffeine – Green Coffee Bean	Pack Size:	20 kg, 25 kg
Item Number:	CC0390	Shelf Life:	36 months
Botanical Source	<i>Coffea robusta</i>	Plant part used:	Bean
Country of Origin:	Italy		
Storage Information:	Store in a properly sealed container on a pallet in a dry space (RH < 40) at ambient temperatures (< 85°F/ 29°C)		

Analysis	Test Method	Parameters
Appearance	Sensory	Free flowing powder
Color	Sensory	White
Odor	Sensory	Neutral, no off notes
Identification	FT-IR	Positive for caffeine
Moisture (LOD)	USP 40<731>	≥ 90% thru 80 mesh
Solubility	USP 40	< 1.00 ppm
Total Caffeine	USP 40<621>	≥ 99.00%
Total Heavy Metals	USP 40<231>	≤ 10.0 ppm
Arsenic (As)	ICP-MS	< 1.0 ppm
Cadmium (Cd)	ICP-MS	< 0.5 ppm
Lead (Pb)	ICP-MS	< 1.0 ppm
Mercury (Hg)	ICP-MS	< 0.3 ppm
Total Plate Count	USP 40<61>	≤ 3,000 cfu/g
Yeast & Mold	USP 40<61>	≤ 300 cfu/g
Salmonella	USP 40<61>	None detected/25g
Staphylococci	USP 40<61>	None detected/25g
E. coli	USP 40<61>	None detected/25g