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Specification Sheet

LUTEIN MC 10% + 2% ZEAXANTHIN

Code No.	SCN No.	CAS No.	Effective Date	Product Manager	Rev. No.	Approved By
LU10MC	2680	127-40-2	March 20, 2012	LR/SW	No. 2	CDS

CHARACTERISTICS:	100% natural concentrate of free lutein and Zeaxanthin from marigold flowers (<i>Tagetes erecta</i>). Brownish orange-red free flowing granular microencapsulated flakes of lutein with natural carriers and antioxidants. Appearance: Orange-red flakes
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SPECIFICATIONS:	Lutein	100 g/kg min
	Zeaxanthin	20 g/kg min
	Physical	
	Bulk density	0.7 g/ml max
	Particle size	
	Thru 20 mesh	100%
	Thru 80 mesh	5% max
	Loss on drying	8% max
	Chemical	
	Heavy metals	10 ppm max
	Cadmium, arsenic and mercury	Available only by request
	Microbiological	
	Total plate count	1,000 cfu/g max
	Coliforms	10 cfu/g max
	Escherichia coli (MPN)	Absent/10g
	Salmonella	Absent/25g
Yeast and mold	50 cfu/g max	
Staphylococcus aureus	Absent/10g	

PACKAGING:	25 kg and 5 kg plastic lined, heat sealed bags
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APPLICATIONS:	Nutritional supplements (liquid preparations, powder beverage mixes, 2-piece hard-shell capsules and directly compressed tablets), beverages, cosmetics.
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SHELF LIFE AND STORAGE INSTRUCTIONS:	Product expiration date is one year from date of issuance of the CoA. Material is sensitive to oxygen, heat, light and moisture. Store in original unopened container at or below 21 °C.
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OTHER:	GMP, HACCP, ISO 9001:200, ISO 22000:2005, Kosher, GMO free, Allergen free, Non-irradiated and not chemically treated for sanitation.
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