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## Specification Sheet

### LUTEIN BEADLETS 5% V

Code No.	SCN No.	CAS No.	Effective Date	Product Manager	Rev. No.	Approved By
LU5PMV	2680	127-40-2	March 20, 2012	LR/SW	No. 1	CDS

<b>CHARACTERISTICS:</b>	100% natural concentrate of free lutein from marigold flowers ( <i>Tagetes erecta</i> ). Brilliant orange-red free flowing granular beadlets of lutein with natural carriers. Product contains ingredients of vegetable origin only. Appearance: Orange-red granules.
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<b>SPECIFICATIONS:</b>	Lutein	50 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
	Coliforms	10 cfu/g max
	Escherichia coli (MPN)	Absent /10g
	Salmonella	Absent/25 g
	Yeast and mold	50 cfu/g max
Staphylococcus aureus	Absent/10g	

<b>PACKAGING:</b>	25 kg and 5 kg plastic lined, heat sealed bag
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<b>APPLICATIONS:</b>	Nutritional supplements (liquid preparations, powder beverage mixes, 2-piece hard-shell capsules and directly compressed tablets), beverages, cosmetics.
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<b>SHELF LIFE AND STORAGE INSTRUCTIONS:</b>	Product expiration date is one year from date of issuance of CoA. Material is sensitive to oxygen, heat, light and moisture. Store in original un-opened container at or below 21 °C.
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<b>OTHER:</b>	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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