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DATA SHEET		Version : 05	Date: Dec 21st , 2008
Product:	**Lyc-O-Lutein Ester 10% VB**	Catalogue: 49350, 49351, 49353	Page: 1 of 1

Description: Lyc-O-Lutein Ester 10% VB is a microencapsulated tablet grade product of natural Lutein ester extracted from the Marigold flowers. All ingredients of this material are GMO free. This product does not contain gelatin.

Appearance: Orange-Red free flowing powder beads.

Odor: Characteristic

Application: Hard shell capsules and tablets. It may be used in nutritional and nutraceutical products.

Certifications: Produced according to ISO 9001:2000 standard and Israeli GMP regulations, non GMO, allergen free

Regulation: All ingredients are Kosher food quality materials and are approved by USA FDA, European and Israeli Authorities. All ingredients are GMO free (IP).

Kosher: Lyc-O-Lutein Ester 10% VB has been certified Kosher by the Orthodox Union

Halal: Lyc-O-Lutein Ester 10% VB has been certified Halal.

Stability and Storage: Upon storage in a dry place at room temperature in its original sealed container this product will keep its properties for at least one year. It is recommended to store the sealed containers at 4°C in the dark for optimum stability. Close well after opening and use within a short time.

Chemical & Physical Analysis		Microbial Evaluation	
Natural Lutein ester	10.0% (min)	Total plate count	Less than 1,000/gr
Lutein free equivalent	5% (min)	Yeasts/Molds	Less than 100/gr
Particle Size	150-425 microns (100-40 mesh) (min. 70%)	E. Coli	Absent in 10 gr
Loss on drying	10% (max)	Salmonella	Absent in 10 gr
Bulk Density	0.7 g/ml	(According to USP Method)	
Heavy metals	< 10 ppm (USP Method)		
• Lead	≤ 5 ppm		
• Arsenic	≤ 2 ppm		
• Hg	≤ 0.1 ppm		
• Cadmium	≤ 1 ppm		

Packaging: Packed in 1 kg polyethylene aluminum-lined bags in cardboard boxes.

Country of origin: Israel

Ingredients: Lutein ester, Alginate, Soy protein