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DATA SHEET	Version : 04	Date: October 21st ,2009
Product: **Lyc-O-Beta 20% VBAF**	Catalogue no: 40160 40161, 40163	

Description: Lyc-O-Beta 20% VBAF is a microencapsulated tablet grade product of natural β-carotene extracted from the fungus Blakeslea trispora. All ingredients are GMO free. This product does not contain gelatin. It is suitable for vegetarians.

Appearance: Dark red free flowing beadlets

Odor: Characteristic

Application: Tablets and hard shell capsules. It may be used in nutritional and nutraceutical products.

Certifications: Produced according to ISO 9001:2000 standard and Israeli GMP regulations.

Regulation: All ingredients are food-grade materials approved by USA FDA, European and Israeli Authorities. All ingredients are GMO free. This product does not contain animal based materials and is suitable for vegetarians.

Kosher: Lyc-O-Beta 20% VBAF has been certified Kosher by the Orthodox Union

Halal Lyc-O-Beta 20% VBAF 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 two years. It is recommended to store the sealed containers at 4ºC in the dark for optimum stability. The product is slightly hygroscopic and the open containers should be stored at low humidity, closed well after opening and used within a short time.

Chemical & Physical Analysis		Microbial Evaluation	
Natural β-Carotene content:	20% (min)(Spectrophotometric Method	Total plate count	Less than 1,000/gr
Vitamin A Equivalence	320,000 IU/gr	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	≤ 3 ppm (ICP Analysis)		
• Arsenic	≤ 2 ppm (ICP Analysis)		
• Hg	≤ 1 ppm (ICP Analysis)		
• Cadmium	≤ 1 ppm (ICP Analysis)		

Packaging: Packed in 1, 5 or 25 kg in aluminum/polyethylene laminate bags under N_2 in cardboard boxes.

Country of origin: Israel

Ingredients: Natural β-carotene, Alginate, Arabic gum, pea starch