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| DATA SHEET | Version : 06 | Date: April 22nd , 2009 |
|---|---|---|
| Product: **Lyc-O-Beta 7.5% VBAF** | Catalogue no: 40165 40166, 40167 | |

**Description**: Lyc-O-Beta 7.5% 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 7.5% VBAF has been certified Kosher by the Orthodox Union.

**Halal:** Lyc-O-Beta 7.5% 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: | 7.5% (min)(Spectrophotometric Method) | Total plate count | Less than 1,000/gr |
| Vitamin A Equivalence | 125,000 IU/gm | 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 (ICP Analysis) | | |
| • Arsenic | ≤ 2 ppm (ICP Analysis) | | |
| • Hg | ≤0.1 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