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DATA SHEET	Version: 05	Date: December, 2009
Product: **LuteinBeads 20% XB**	Product Code: 43604001, 43604005, 43604025,	

Description Natural LuteinBeads 20% XB is a dry source of stabilized Lutein and Zeaxanthin extracted from marigold and stabilized in an all natural porcine gelatin matrix. The ratio of Lutein to Zeaxanthin is as it occurs in nature.

Appearance Orange brown beadlets

Odor Characteristic

Application Suitable for use in the manufacture of tablets, two-piece hard-shell capsules.

Certifications Licensed by the FDA for Food Distribution, non GMO & allergen free.

Kosher LuteinBeads 20% XB has been certified Kosher by Rabbi Sheldon Goldsmith, New York.

Stability & Storage Physically & chemically stable, with a 2 year shelf life when stored below 15°C in original packaging. For optimum stability, storage at 4°C is recommended. Minimize exposure to light, heat, oxygen and humidity. Open or partial containers should be resealed and stored under recommended conditions.

Chemical & Physical Analysis		Microbial Evaluation	
Lutein	20% - 26% (HPLC)	Total plate count	Less than 1,000/gr
Free Zeaxanthin	Min 0.8%	Coliforms	Less than 10/gr
Total Carotenoids	23.6% - 32% (Spectrophotometric Method)	E. Coli	Negative in 10 gr
Water Content	Max 8%	Salmonella	Negative in 10 gr
Heavy metals	< 10 ppm (USP Method)	Yeasts/Molds	Less than 100/gr
• Lead	≤ 5 ppm (ICP Analysis)		
• Arsenic	≤ 2 ppm (ICP Analysis)		
• Hg	≤ 1 ppm (ICP Analysis)		

Mesh Size 100% through No. 20 U.S. STD Sieve

Packaging Available in fiber drums with resealable double polyethylene liners, in quantities of 1 kg, 5kg & 25kg.

Ingredients Ascorbyl Palmitate, lutein, porcine gelatin, corn derived starch, sucrose, natural mixed tocopherols, water & carnosic acid.