



**GUANGZHOU LEADER BIO-TECHNOLOGY CO., LTD.**  
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## **Leader<sup>®</sup> YELLOW**

**(40g xanthophylls per kg)**

### **Description**

Leader<sup>®</sup> Yellow is a dry stabilized source of yellow carotenoid (trans-lutein /zeaxanthin), extracted from marigold flower. It contains 40g/kg xanthophylls with about 5% zeaxanthin, which helps bring more orange color to broiler skin. It is recommended as an effective natural yellow pigment to enhance the color of egg yolk, broiler skin and shanks.

### **Advantages**

- Simple natural yellow carotenoids, safety and credibility
- High quality antioxidant, stabilization technology and vacuum package insure its stability in feeds.
- High technology of saponification and special emulsification increases the utilization of xanthophylls
- Spherical granule, free-flowing for good mixing and uniformity pigmentation

### **Recommended Usage**

150-1000g in per ton feed (see details in product brochure)

### **Packaging**

25kg / bag, aluminum foil bag with vacuum packing inside and brown paper packing outer

### **Storage & Shelf Life**

Sealed and stored well between 15-25 °C. Keep away from direct sunlight and high temperature.

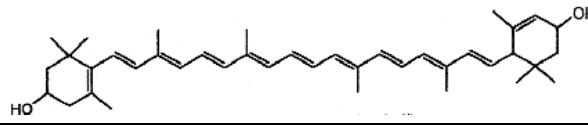
The unopened bags have a shelf life of approximately 12 months if stored under the conditions specified.



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## Specification

<b>Chemical formular</b>	 (C <sub>40</sub> H <sub>56</sub> O <sub>2</sub> )
<b>Molecular weight</b>	568
<b>Items of test</b>	<b>Leader Yellow 4%</b>
<b>Character</b>	Free-flowing yellow powder
<b>Xanthophyll content</b>	> 40g/kg
<b>Zeaxanthin content</b>	>2g/kg
<b>Antioxidant</b>	< 2g/kg
<b>Saponification</b>	> 95%
<b>Particles size</b>	98% < 0.85 μm through standard mesh 20
<b>Drying loss</b>	14%
<b>Heavy metals (Pb) and other</b>	< 0.002 ppm
<b>Absorbance (A<sub>474</sub> nm)</b>	0.25 – 0.75
	Free from Sudan

## Stability Analysis

<b>Time (Month)</b>	3	6	9	12
<b>Remaining (%)</b>	100%	98.6%	98%	97%
<b>Remark</b>	The data is based on the condition of 25 °C, unopened bag			

<b>Time (Month)</b>	1	3	6
<b>Remaining (%)</b>	99.5%	98.4%	85%
<b>Remark</b>	The data is based on the condition of 23 °C, open bag		

**Note:** This product can replace the yellow synthetic carotenoid, Apo-ester 10% (100 g/kg, pellet), (beta-apo-8'-carotenoic acid-ethylester) performed by visual Color Fan. Regarding the comparison of usage and prices between Leader® Yellow and yellow synthetic carotenoid 10% (Apo-ester 10%), the Leader® Yellow are much more cost-effective. Furthermore, it can also competitive with the natural xanthophylls series of other brands.

**Update:** 10/05/2018