



Nutrition & Color

The Best Dietary Supplement for Your Daily Life Lutene® Lutein

Founded in 2001, Allied Biotech is one of the major carotenoid suppliers in the world. We have always been known for our flexibility and responsiveness to our customers' needs. Allied offers various vegetarian, Palm-Oil free and allergen free formulations for food, dietary supplement, pet food and feed industries. We strive for product innovation and take great care of the environment and human health.

About Products

Belonging to the carotenoids family, Lutein can be found in green leafed vegetables such as spinach, kale and broccoli, and also in egg yolks. The human body does not produce Lutein; therefore, it can only be obtained through the diet. Lutein is commonly used as an alternative yellow colorant for food applications as well as a nutritional ingredient for dietary supplements.



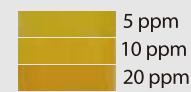

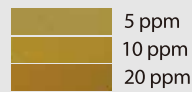


Headquarters Allied Biotech Corporation
13th Floor, No. 71, Sec 2, Tun Hua S. Road 10682,
Taipei City, Taiwan.
Tel + 886-2-2703-0209 **Fax** + 886-2-2703-0289
allied@altratene.com

Allied Biotech Europe GmbH
Ludwig-Erhard-Allee 10, 76131 Karlsruhe,
Germany.
Tel +49-721-5099-8742 **Fax** +49-721-5099-8701
emea@altratene.com



About Products

Product	Lutene®				Product	Lutene®
	10% WSC/PF	Ester 10% WSC	Ester 2% EM	10% TG		20% OS-SF
Formulation	Water Soluble Powder	Water Soluble Powder	Water Soluble Emulsion	Tablet Grade	Formulation	Oil Soluble Liquid
Lutein Content	Minimum 10%	Minimum 10%	Minimum 2%	Minimum 10%	Lutein Content	Minimum 20%
Palm Oil-Free Status	✓	✓	✓	✓	Palm Oil-Free Status	✓
Shelf Life	48 months Ambient temperature	48 months Ambient temperature	12 months in a cool place (Below 15°C)	48 months Ambient temperature	Shelf Life	48 months Ambient temperature
Applicable for	Kosher, Halal and Vegetarian Foods	Kosher, Halal and Vegetarian Foods	Kosher, Halal and Vegetarian Foods	Kosher, Halal and Vegetarian Foods	Applicable for	Kosher, Halal and Vegetarian Foods
Color Shades in Water at Different Dosages*	 5 ppm 10 ppm 20 ppm	 5 ppm 10 ppm 20 ppm	 5 ppm 10 ppm 20 ppm	 0.5% Lutene in Tablet	Hydrogenated Oil at Different Dosages*	 5 ppm 10 ppm 20 ppm

*Please contact our sales team for more details in different applications.

We support a wide range of applications !



Lutene® Powder

Lutene® Powder is water-soluble and can yield a bright yellow color. It can be used as dietary supplements and food colorants.



Lutene® Suspension

Lutein crystals are finely dispersed in vegetable oil. It is mainly used in soft gel capsules. It can also be used in oil/fat-based applications as nutrient or natural food color.



Lutene® Tablet Grade

Our Lutene® Tablet Grade products provide Lutein nutrition and are an excellent choice for dietary supplements.

Application	Lutene® Powder	Lutene® Suspension	Lutene® Tablet Grade
Dietary Supplement	✓	✓	✓
Bakery	✓	✓	
Flavored Drink	✓		
Cheese	✓	✓	
Confectionery	✓		
Sauces and Dressing		✓	
Flavored Milk and Yoghurt	✓		
Fruit/ Multivitamin Juice	✓		
Ice Cream	✓	✓	
Soup	✓	✓	
Surimi	✓		

*These applications are according to CODEX, EU, China and Taiwan regulations and are for reference only. Please follow local regulations and specifications for each application.

- Codex: Codex Standard for Food Additives - Codex Stan 192-1995

- Europe: Regulation (EC) No. 1333/2008 of the European Parliament and of the Council of 16 December 2008 on Food Additive

- Taiwan: Amendment of Standards for Specification, Scope, Application and Limitation of Food Additives No. 1091302006

- China: GB 14880-2012 (National Food Safety Standard for the Use of Nutritional Fortification Substances in Foods)