



Nutrition & Color

A New Lycopene Innovation Like No Other Lycotene[®] Lycopene

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

Lycopene belongs to the carotenoid family and offers a range of red shades. It is found mainly in tomato, grapefruit, watermelon and pink guava.

Lycopene is a powerful carotenoid quencher of singlet oxygen, being 100 times more efficient than Vitamin E in test tube studies.


























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About Products

Product	Lycotene® Crystalline	Specification	Lycotene®			
			5% FT/Nature	10% WSC/Nature	10% WSC/PF	10% OS
Appearance	Fine Deep Red Crystals	Formulation	Water Soluble Emulsion	Water Soluble Powder	Water Soluble Powder	Oil Soluble Liquid
Lycotene® Content	Minimum 96%	Lycotene® Content	Minimum 5%	Minimum 10%	Minimum 10%	Minimum 10%
Palm Oil-Free Status	✓	Palm Oil-Free Status	✓	✓	✓	✓
Shelf Life	24 months in a cool place (Below 15°C)	Shelf Life	12 months in a cool place (Below 15°C)	36 months in a cool place (Below 15°C)	60 months in a cool place (Below 15°C)	60 months Ambient Temperature
Applicable for	Kosher, Halal and Vegetarian Foods	Applicable for	Kosher, Halal and Vegetarian Foods	Kosher, Halal and Vegetarian Foods	Kosher, Halal and Vegetarian Foods	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	 5 ppm  10 ppm  20 ppm White Oil Application at Different Dosages*

Product	Lycotene®				
	6% TG	10% TG	2% FT-Red/PF	10% FT/PF	10% FT-Red/PF
Formulation	Tablet Grade	Tablet Grade	Water Soluble Emulsion	Water Soluble Emulsion	Water Soluble Emulsion
Lycotene® Content	Minimum 6%	Minimum 10%	Minimum 2%	Minimum 10%	Minimum 10%
Palm Oil-Free Status	✓	✓	✓	✓	✓
Shelf Life	60 months in a cool place (Below 15°C)	60 months in a cool place (Below 15°C)	12 months in a cool place (Below 15°C)	12 months in a cool place (Below 15°C)	12 months in a cool place (Below 15°C)
Applicable for	Kosher, Halal and Vegetarian Foods	Kosher, Halal and Vegetarian Foods	Kosher, Halal and Vegetarian Foods	Kosher, Halal and Vegetarian Foods	Kosher, Halal and Vegetarian Foods
Color Shades in Water at Different Dosages*	 1% Lycopene in Tablet	 1% Lycopene in Tablet	 5 ppm  10 ppm  20 ppm	 5 ppm  10 ppm  20 ppm	 5 ppm  10 ppm  20 ppm

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

Application	Lycotene® Powder	Lycotene® Suspensions	Lycotene® Emulsions	Lycotene® Tablet Grade
Dietary Supplements	✓	✓		✓
Bakery and Bakery Decorations	✓	✓	✓	
Canned Food	✓	✓	✓	
Confectionery	✓		✓	
Fats, Oil and Dressing		✓		
Flavored Milk and Yoghurt	✓		✓	
Fruit/ Multivitamin Juice	✓		✓	
Ice Cream	✓	✓	✓	
Soup	✓	✓	✓	
Surimi	✓		✓	

We support a wide range of applications!

Lycotene® Powder

This powder formulation has been developed to impart shades of fine red colors as a nutrient for food, dietary supplement and pharmaceutical products.

Lycotene® Suspension

Lycopene 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.

Lycotene® Emulsion

It is oil-in-water emulsion which is animal-free and palm oil-free. Our emulsion has excellent stability in any water-based food applications yielding bright appealing red color shade.

Lycotene® Tablet Grade

The product can be used in premixes, multivitamins and other dietary supplements.

