

ALLIED BIOTECH CORP
The Carotenoid Company

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About Products

	Altratene® Apocarotenal								
Product	5% WSC/CC		5% WSC	10% WSC/E	3	5% FT/PF			
Formulation	Transparent W Soluble Fine Po		oluble Fine Powder	Water Soluble Fine	Granule Wate	Water Soluble Emulsion			
β-Apo-8´-carotenal Content	Minimum 5 ^o	%	Minimum 5%	Minimum 10	%	Minimum 5%			
Palm Oil-Free Status	~		✓	~		~			
Shelf Life	48 month Ambient tempe		48 months pient temperature	48 months Ambient tempera		12 months in a cool place (Below 15°C)			
Applicable for	Kosher, Halal Vegetarian Fo		osher, Halal and getarian Foods	Kosher, Halal a Vegetarian Fo		Kosher, Halal and Vegetarian Foods			
Color Shades in Water at Different Dosages*	5 ppm 10 ppm 20	D ppm	5 ppm 10 ppm 20 ppm	5 pp 10 p 20 p		5 ppm 10 ppm 20 ppm			
Product	2% SOLUTION	Altratene 70/30	Apocarotenal20% OS	20% MCT	Product	β-Apo-8'-Carotena Crysta ll ine			
Formulation	Oil Solution	Oil Solution	Oil Suspension	Oil Suspension	Appearance	Deep Violet Crysta			
β-Apo-8´-carotenal Content	Minimum 2%	Minimum APO 1.4% Beta-Carotene 0.6%	Minimum 20%	Minimum 20%	β-Apo-8´-carotenal	Minimum 96%			
Palm Oil-Free Status	-	-	~	✓	Content				
Shelf Life	24 months Between 5℃-25℃	24 months Between 5°C-25°C	48 months Ambient temperature	48 months Ambient temperature	Shelf Life	12 months in a cool place (Below 15°C)			
Applicable for	Kosher, Halal and Vegetarian Foods		Kosher, Halal and Vegetarian Foods						
Application at Different Dosages*	5 ppm 10 ppm 20 ppm White Oil Application	5 ppm 10 ppm 20 ppm White Oil Application	5 ppm 10 ppm 20 ppm White Oil Application	5 ppm 50 ppm 100 ppm 100 ppm 100 ppm 100 ppm White Chocolate Application					

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

App l ication	Altratene® Apocarotenal						
Application	Powder	Suspensions	Oil Solution	Emulsions			
Bakery and Pasta	~	~	~	~			
Carbonated Drink	~			~			
Cheese	~	~	~	~			
Confectionery	~			~			
Edible Oil and Dressing	~	~	~				
Flavored Milk and Yoghurt	~			~			
Fruit / Multivitamin Juice	~			~			
Ice Cream	~	~	~	~			
Margarine	~	~	~	~			
Processed Meats	~	~	~	~			
Soup	✓	~	~	✓			

We support a wide range of applications!

Altratene® Apocarotenal Powder

Allied has 3 powder formulations: 1%, 5% and 10%. These can be used in beverages or other food applications to replace artificial colors like Allura Red or Ponceau 4R.

Altratene® Apocarotenal Suspension

The 20% oil-based formulation is the most concentrated form on the market. It can be used in dressings, soups and sauces to achieve reddish color shade.

Altratene® Apocarotenal Solution

Altratene® Apocarotenal 2% Solution is a solution of Apocarotenal in vegetable oil. This formulation imparts shades of red colours in oil or fat based food products like processed cheeses, dressings, soups etc.

Altratene® Apocarotenal 70/30 is a solution of Apocarotenal and Beta-carotene in vegetable oil. This product can be used in processed cheeses, or any oil or fat based food products to achieve a reddish or deep orange color shade.

Altratene® Apocarotenal Emulsion

The Fluid Type (FT) formulation is an oil-in-water emulsion of Apocarotenal. It imparts shades of red colors in beverages and other water-based food products.