

Bulk Products

Food Ingredients, Health Functional Materials and Cosmetic Ingredients

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Notes :

The regulations governing food, food additives, dietary supplements and cosmetics do vary between countries, and the use of some products may be restricted in some places. Therefore, customers are requested to observe the appropriate regulations when using these products. While the information provided in this document is presented in good faith and believed to be accurate, it does not bind MITSUBISHI-CHEMICAL FOODS CORPORATION under any legal obligations. It is presented only for the purpose of your guidance. Any information in this document may change without prior notice.



 MITSUBISHI-CHEMICAL FOODS CORPORATION Division 3

Natural Vitamin E Products

Type	Product name	Content (International Unit)	Description	Functions	Category*			Major applications	Packaging (kg)	Shelf life
					Cosmetics	Dietary Supplement	Food			
d-alpha	d-alpha Tocopherol 1000	d-α-Tocopherol ≥67.1% (1000 IU/g)	Oil	Anti-oxidation effect inside the body (protecting body from the damage of oxidation). Anti-oxidation effect in ingredients.		●	●	Supplement preparations such as soft capsules.	5, 15, 180	3 years
	d-alpha Tocopherol 1000-GL	d-α-Tocopherol ≥67.1% (1000 IU/g)	Oil			●	●		180	3 years
	d-alpha Tocopherol 1300	d-α-Tocopherol ≥87.3% (1300 IU/g)	Oil			●	●		180	3 years
	d-alpha Tocopherol Powder 50	d-α-Tocopherol 47.5-55.0%	Powder			●	●	Food fortification and hard capsules, tablets as nutrient supplement.	10 (1 kg x 10)	2 years
	d-alpha Tocopheryl Acetate 1100	d-α-Tocopheryl acetate ≥80.9% (1100 IU/g)	Oil			●		Supplement preparations such as soft capsules.	180	3 years
	d-alpha Tocopheryl Acid Succinate	d-α-Tocopheryl acid succinate 96.0-102.0% (1210 IU/g)	Powder			●		Supplement preparations such as tablets and hard capsules.	25	3 years
	d-Mixed Tocopherols Concentrate S4a	Total tocopherols 8.0% d-α-Tocopherol 4.0%	Emulsion				●	Food fortification and hard capsules, tablets as nutrient supplement.	10 (1 kg x 10, 5 kg x 2)	2 years
d-gamma	D-GAMMA Tocopherol 90	d-γ-Tocopherol ≥90.0%	Oil	Effective in reducing wrinkles and pores; Diuretic activity, improving sodium metabolism.	●	●		Supplement preparations such as soft capsules.	15	3 years
	GAMMA Tocopherol POWDER 30	d-γ-Tocopherol ≥30%	Powder			●		Supplement preparations such as tablets, hard capsules.	1, 10	2 years
d-delta	d-delta-rich Tocopherols Concentrate	Total tocopherols ≥96.0% a) d-δ-Tocopherol ≥90.0% of total tocopherols b)	Oil	Anti-oxidant for cosmetics and food with high heat-stability.	●		●	Anti-oxidation of oils, fats for food and cosmetics.	5, 15	3 years
d-Mixed	d-Mixed Tocopherols Concentrate 50L	Total tocopherols ≥50.0%	Oil	Anti-oxidant for food.			●	Fortification and Anti-oxidation of oils fats and fry.	15	3 years
	d-Mixed Tocopherols Concentrate 70L	Total tocopherols ≥68.0%	Oil		●		●		5, 15	3 years
	d-Mixed Tocopherols Concentrate E10	Total tocopherols 7.5-10.0%	Emulsion				●	Anti-oxidation of processed foods, seafood, frozen food.	12 (1 kg x 12)	1 year
	d-Mixed Tocopherols Concentrate E30	Total tocopherols 27.0-36.0%	Emulsion				●		12 (1 kg x 12)	1 year
	d-Mixed Tocopherols Concentrate P20	Total tocopherols 16.0-21.0%	Powder				●	Anti-oxidation of dry foods such as flour and dry milk.	10	2 years
	d-Mixed Tocopherols Concentrate P34C	Total tocopherols ≥32.0%	Powder				●		10	2 years
Tocotri-enol	Mixed Tocotrienols 92	Total tocotrienols ≥65.0% Total tocotrienols and total tocopherols ≥92.0%	Oil	Anti-oxidant; Lowering cancer risk; heat health; Beauty effects; Brain health.	●	●		Supplement preparations such as soft capsules. Fortification and Anti-oxidation of oils and fats.	1, 5, 15	2 years
	MIXED TOCOTRIENOLS POWDER 30	Tocotrienols ≥20% Total tocotrienols and tocopherols ≥30%	Powder			●		Supplement preparations such as hard capsules. Fortification and Anti-oxidation of oils and fats.	1, 10	2 years

Notes : The assay method for each of the products in the above section (Natural Vitamin E Products) is HPLC, with the marked exceptions.
a) Cerium titration determination, b) Gas Chromatographic determination.
* Above category and applications are based on the authorization in Japan.

Synthetic Vitamin E Products

Type	Product name	Content (International Unit)	Description	Functions	Category*			Major applications	Packaging (kg)	Shelf life
					Cosmetics	Dietary Supplement	Food			
dl-alpha	dl-alpha Tocopherol	dl-α-Tocopherol 96.0-102.0% (1100 IU/g)	Oil	Anti-oxidation effect in ingredients.	●	●	●	Fortification and Anti-oxidation of other ingredients.	15	2.5 years
	dl-alpha Tocopheryl Acetate	dl-α-Tocopheryl acetate 96.0-102.0% (1000 IU/g)	Oil	Anti-oxidation effect inside the body (protecting body from the damage of oxidation).	●	●		Active ingredient of cosmetics and dietary supplement	50	3 years
	Vitamin E 50% CWS/S	dl-α-Tocopheryl acetate ≥50%	Powder			●	●	Fortification for dry food such as flour, dry milk and beverage powders, and waterbase foods.	20	2 years
	dl-alpha-Tocopheryl Nicotinate	dl-α-Tocopheryl nicotinate ≥96.0% (880 IU/g)	Oil or solid	Vasodilator action; Improvement of microcirculation; Stronger enhancement of hair growth.	●			Active ingredient of cosmetics.	5, 25	3 years
	Vitamin E Linoleate Mixture	dl-α-Tocopheryl linoleate/oleate 96.0-102.0%	Oil	Promoting regular skin turnover; Moisturizing effect; Improvement of deep wrinkles.	●				5, 15	3 years

Functional Products

Type	Product name	Content	Description	Functions	Category*			Major applications	Packaging (kg)	Shelf life
					Cosmetics	Dietary Supplement	Food			
Plants’ extracts	Hydroxytyrosol-20 (From Olive leaf)	Hydroxytyrosol ≥20.0%	Powder	Maintaining joint health; Restoration of cartilage; Protecting oxidative damage of LDL; Skin care.	●	●	●	Supplement preparations such as tablets and hard capsules.	1, 5	3 years
	Olive leaf Extract	Oleuropein ≥35.0%	Powder	Improving metabolic syndrome; Reducing visceral fat, blood glucose, blood pressure and blood lipid.		●	●		1, 5	3 years
Phytos-terol	Phytosterol-FKP	Phytosterols 95.0-102.0%	Powder	Reducing cholesterol.		●		Supplement preparations such as tablets and hard capsules.	1, 10	1 year
	Phytosterol-AQD	Phytosterols ≥85%	Water dispersible powder				●	Fortification of drink, dairy products, meat substitute.	10 (5 kg x 2)	1 year
Sodium Ferrous Citrate		10.0-11.0% as Fe	Powder	Iron fortification.		●	●	Food additive and supplement ingredient.	10	2 years
SODIUM COPPER CHLOROPHYLLIN		Sodium copper chlorophyllin	Powder	Colorant.			●	Food colorant such as processed products of vegetable and fruit, baked food, gum and jelly.	5	1.5 years
PHYTONADIONE (Vitamin K1)		Phytonadione 97.0-103.0%	Oil	Vitamin K supplementation.		●	●	Supplement preparations such as soft capsules.	1, 5	3 years
Coenzyme Q10		Coenzyme Q10 98.0-101.0%	Powder	Anti-oxidation effect inside the body; Acting on cellular energy production.	●	●			1, 5	3 years

Note : * Above category and applications are based on the authorization in Japan.

Shelf-life Extension Preparation and Others

AMICANON Family is a shelf-life extension preparation in which Lysozyme, a natural substance extracted from egg white is blended with Glycine, Organic acid, etc.. Egg-white lysozyme induces bacteriolysis by acting upon the cell walls of certain varieties of bacteria. Therefore, AMICANON Family shows safer and more effective activities to inhibit the growth of bacteria in your food.

Type	Product name	Ingredients	Description	Functions	Category*	Major applications	Dosage	Packaging (kg)	Shelf life
					Food				
Shelf-life Extension Preparation	AMICANON	Lysozyme, Glycine, Lactose	Powder	Inhibit the growth of bacteria in food products	●	Fresh noodles, Bakery filling	0.5-1.0%	10 (1 kg x 10)	1 year
	AMICANON-S	Lysozyme, Glycine, L-Cystine, Lactose	Powder		●	Japanese cakes, Bakery filling	0.5-1.0%	10 (1 kg x 10)	
	AMICANON-U	Lysozyme,Glycine, Sodium acetate, DL-Malic acid, Sodium chloride	Powder		●	Japanese noodles	0.5-1.0%	10 (1 kg x 10)	
	AMICANON-A	Lysozyme, Glycine, Sodium acetate, Adipic acid	Powder		●	Hamburgers, breaded meat, fish and vegetable products, ready-to-serve salad products (e.g. potato salad, egg salad)	0.4-0.7%	10 (1 kg x 10)	1.5 years
	AMICANON-SEVEN	Lysozyme, Glycine, Sodium acetate	Powder		●	Hamburgers, breaded meat, fish and vegetable products, ready-to-serve salad products (e.g. potato salad, egg salad)	0.4-0.8%	10 (1 kg x 10)	
	AMICANON-M	Lysozyme, Sodium acetate, Adipic acid, Monosodium fumarate, Trehalose	Powder		●	Hamburgers, breaded meat, fish and vegetable products, ready-to-serve salad products (e.g. potato salad, egg salad)	0.4-0.7%	10 (1 kg x 10)	
	AMICANON-EX	Lysozyme, Glycine, Sodium acetate, DL-Malic acid, Dextrin	Powder		●	Hamburgers, breaded meat, fish and vegetable products, ready-to-serve salad products (e.g. potato salad, egg salad)	0.4-0.7%	10 (1 kg x 10)	
	AMICANON-NEO	Lysozyme, Glycine, Sodium acetate, Citric acid, DL-Malic acid	Powder		●	Hamburgers, breaded meat, fish and vegetable products, ready-to-serve salad products (e.g. potato salad, egg salad), Food in disfavor with acidity	0.4-0.7%	10 (1 kg x 10)	
	Egg White Lysozyme	Lysozyme	Powder		●	Processed food		0.5	2 years
	Egg White Lysozyme 5% powder	Lysozyme, Dextrin	Powder		●			10	1 year
Food im-provement	Kolimex-C	Egg white	Powder	Improving texture of noodle	●	Fresh noodle		10	1.5 years

Note : * Above category and applications are based on the authorization in Japan.