



Crystals[®] Freeze-Dried Powders



What Are Crystals[®] Freeze-dried Powders?

Crystals[®] freeze-dried juice and specialty powders are unique freeze-dried ingredients that maintain the flavor and nutritional properties of the starting material. Due to Crystals[®] superior quality, operational advantages and clean label claim, they are an excellent alternative for liquid concentrates, spray dried concentrates and specialty powders.

The food ingredient market recognizes that the natural components found in fruit and vegetables can have a positive impact on health. With growing consumer interest in sourcing health-oriented products, Crystals[®] offer a multitude of conventional and organic alternatives: freeze-dried fruit and vegetable juice powders, natural sweeteners, plus a variety of specialty powders, all in a shelf stable form.

Kerry is recognized as one of the world's leading sources of freeze-dried fruit and vegetable juice powders.

Our Technology

Through our patented, low-heat, continuous-vacuum, freeze-drying process, we are able to provide premium freeze-dried juice and specialty powders that are nutrient dense and retain the original color, taste, and aroma of fruit or vegetable juice concentrates & purees, or of other specialty ingredients.

Key Benefits

- Natural ingredients
- Dispersible flavor system in any application
- Patented system
- Easy-to-use free flowing powder
- Delivering flavor with functionality
- Superior quality
- Rehydrates instantly
- Non-refrigerated, easy storage

Revision Date: [May 8, 2012](#)

Standard Product List



Standard Products: Minimum order - 1 Carton (weight varies)
Lead time - 2 to 4 wks

For orders 300 lbs or more, please contact your Kerry Customer Service Representative for availability.

Crystals®

Freeze-dried Fruit and Vegetable Powders

<u>Variety</u>	<u>% Juice Solids</u>	<u>Code</u>
Apple	70%	705338
Banana	50%	705333
w Corn Syrup Sol		
Banana	50%	705334
w Maltodextrin		
Beet	100%	705332
Blackberry	70%	711994
Blueberry	50%	705347
Carrot	100%	705331
Cherry,	63%	705336
Dark Sweet		
Grape	71%	705352
Grapefruit	90%	705346
Key Lime	52%	705358
Kiwi	70%	705366
Lemon	55%	705345
Lime	55%	705348
Mango	70%	705364
Orange	100%	705335
Peach	70%	705359
Pineapple	80%	705337
Raspberry	50%	715975
Raspberry	70%	705353
Strawberry	73%	705328
Strawberry	71%	705355

Crystalettes®

Freeze-dried Fruit Powders

<u>Variety</u>	<u>% Juice Solids</u>	<u>Code</u>
Lemon	22%	705330
Lime	24%	705329
Orange	23%	705327

Crystals®

Freeze-dried Specialty Powders

Molasses	100%	705340
Honey	50%	705343
w ECJ		
Honey w	70%	705342
Maltodextrin		

Made to Order



Made to Order: Minimum order - 1,000 - 2,000 kg, Item Specific
 Lead time - 10 to 12 wks
 Contact your Customer Care Representative for additional information

Crystals®

Freeze-dried Fruit and Vegetable Powders

<u>Variety</u>	<u>% Juice Solids</u>	<u>Code</u>
Acerola Cherry	70%	722289
Black Currant	70%	707742
Black Currant , 40 Mesh	70%	712072
Blood Orange	70%	30019792
Cherry, Red Sour	60%	705344
Cranberry	70%	705349
Cranberry	70%	705350
Coconut Water	80%	718896
Grape	70%	707676
40 mesh		
Lemon , No SiO ₂	55%	705369
Mango	30%	705365
Mixed Berries	50%	711999
Mixed Berries	63%	712027
Orange , No SiO ₂	100%	705368
Passion Fruit	70%	705370
Peach	70%	705360
Pineapple	100%	705351
Pomegranate	50%	706169
Raspberry	70%	705354
Strawberry , 40 mesh	71%	705356
Tangerine	70%	711998
Tropical Blend	70%	712034
Watermelon	70%	705357

Crystals® Organic

Freeze-dried Organic Powders

<u>Variety</u>	<u>% Juice Solids</u>	<u>Code</u>
Agave	72%	722457
Apple	70%	705379
Beet	100%	705378
Carrot	100%	705371
Grape	70%	705384
Honey w Org ECJ	50%	711890
Lemon	70%	705382
Mango	70%	707017
Molasses	100%	707713
Peach w Rice Malto	70%	705381
Peach	70%	705386
Pineapple	50%	707968
Pomegranate	50%	707098

Crystals®

Freeze-dried Specialty Powders

<u>Variety</u>	<u>% Juice Solids</u>	<u>Code</u>
Balsamic Reduction	50%	707041
CrystaLac®	100%	705326
Green Tea	100%	716294

Other Product Offerings



Made to Order: Minimum order - 3,000 kg subject to raw material availability
Lead time - 10 to 12wks
Contact your Customer Care Representative for additional information

Crystals®

Freeze-dried Fruit and Vegetable Powders

<u>Variety</u>	<u>% Juice Solids</u>	<u>Code</u>
Celery	80%	712105
Dried Plum (Prune)	70%	45600.00170*
Grape	70%	712404
Kiwi	40%	705325
Papaya, Yellow	70%	717096
Pear	70%	706173
Pineapple Plus	82%	705339
Pumpkin	100%	705363
Raisin	70%	705361
Vegetable Blend	100%	45700.00188*

Crystals®

Freeze-dried Specialty Powders

Maple Syrup	100%	712225
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Nutraceuticals

Power Bars, Cereal Bars, Drink Powders, Sports Drinks, Value-added Beverages, Isotonic Drinks, Functional Foods, Health Foods, Vitamins, Herbal Supplements

Dairy

Yogurt, Ice Cream, Fruit-enhanced Milks, Creams, Cream Cheeses, Spreads, Cottage Cheese, Mousses, Puddings

Baked Goods

Cakes, Cookies, Muffins, Breads, Pancakes, Waffles, Cereals, Bagels, Biscuits, Baked Desserts, Pies

Frozen

Sorbets, Popsicles, Ice Creams, Frozen Yogurts

Baby Food

Infant Foods, Junior Foods, Beverages

Confections

Cream Centers, Icings, Fillings, Hard & Soft Candies, Chewing Gum, Truffles, Confections, Fondants, Candy Bars, Desserts

Beverages

Dry Beverage Mixes, Tea Blends, Coffees, Soft Drinks, Instant Breakfast Drink, Health Beverages, Punches, Isotonic Drinks, Juice Beverages

Pharmaceuticals

Medications, Syrups, Tablets, Capsules

Sauces/Dressings/Savory

Sauces, Seasonings Blends, Salad Dressings, Marinades, Soups, Dips, Gravies

Replacers

Frozen Concentrate Replacers, Puree Replacers, Fat Replacers, Sugar Replacers

Fresh Fruit Juice Equivalent to One Kilogram of Freeze-dried Powders

The juice equivalent of:

99 Oranges	=	1 kg of Crystals® Orange Freeze-dried Fruit Powder 705335
156.25 Lemon	=	1 kg of Crystals® Lemon Freeze-dried Fruit Powder 705345
192.30 Limes	=	1 kg of Crystals® Lime Freeze-dried Fruit Powder 705348
158.73 Carrots	=	1 kg of Crystals® Carrot Freeze-dried Vegetable Powder 705331