Vita-Pakt®
CITRUS PRODUCTS CO.

TECHNICAL BULLETIN

PRODUCT NO. 6-0786
VITA-PAKT PREMIUM LEMON PEEL GRANULES (-10+40)

Description

Lemon peel is obtained from clean, sound, mature lemons of the species *Citrus limon.* The fruit is washed and the juice extracted. Lemon peel granules are prepared from the shaved flavedo portion of the expelled peel which has been cut, dried and milled to the desired granulation.

Ingredients: Lemon Peel

Specifications:

Product		Microbiological cfu/g	
Moisture	10% maximum	Total Plate Count	≤10,000
Granulation	5% maximum retained on U.S. #10 10% maximum passed through a U.S. #40	Yeast & Mold	≤4,000
Aroma/Flavor	Typical of lemon peel	Coliform	≤400
Defects	Reasonably free of scorched particles or other defects.	E. coli	≤10
Color:	Light yellow to tan		

Shipping and Storage: Carrier shall be clean, dry and suitable for food transport. Store in a cool, dry warehouse, preferably below 70º F and less than 65% RH in tightly sealed containers. Do not chill below 40º F.

Shelf Life: If stored and handled under recommended storage conditions in original containers, use within 2 years for best quality.

Packaging: Packed in a fiberboard box lined with a polyethylene bag.
Weight: 40 pounds (18.1 Kg) net. 43 pounds (19.5 Kg) gross

This statement serves as a DISCLAIMER regarding fresh fruit marketing labels:
"Vita-Pakt Citrus Products Co. is a manufacturer of premium citrus ingredients for the food industry. As the leader in our field we strictly adhere to FDA rules and regulations, while proudly maintaining BRC Food Certified status. Food safety, quality and Good Manufacturing Practices will always remain our top priority. That said, it must be understood by the buyer and seller, the fruit we purchase from U.S. West Coast packinghouses, may contain retail fruit market labels; such labels are required by their retail customers and industry regulations. These labels are targeted within our best efforts for removal, utilizing the latest in fruit washing and laser optical technology as well as a manual inspection prior to final packaging. Despite our best efforts, occasionally these labels will elude the process and pass into the finished product. The marketing labels are not considered a food safety issue but rather a quality attribute. As a result, we cannot guarantee the finished ingredient product to be 100% free of marketing labels."

203 EAST BADILLO ST P. O. BOX 309 COVINA, CALIFORNIA 91723 (626) 332-1101 FAX (626) 722-0113

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NUTRITION FACTS

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VITA-PAKT PREMIUM LEMON PEEL GRANULES

Average Values per 100 grams

Calories	358	
Calories from Fat	0	
Moisture	6.0	g
Ash	3.1	g
Total Fat*	1.5	g
Saturated Fat*	0.2	g
Trans Fatty Acids	0	g
Cholesterol	0	mg
Sodium	30	mg
Potassium	1070	mg
Total Carbohydrate	81.7	g
Dietary Fiber	65.1	g
Sugars	0.0	g
Added Sugars	0	g
Protein	7.7	g
Vitamin A	<10	I.U.
Vitamin C	97	mg
Vitamin D	0	mcg
Calcium	724	mg
Iron	4	mg
Folic Acid	66	mcg

*The "volatile oils" found in the standard test are terpenes, not fats or oils.

These are calculated values based on published data and actual analysis. As these values are subject to geographic and environmental factors affecting the fruit being harvested and the variability of the processing, they can vary over a rather broad spectrum.

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TECHNICAL BULLETIN
ALLERGEN AND SENSITIVITY AGENTS INFORMATION
Dried Citrus Peel

Allergen	Present in Product	Present in Products Manufactured on Same Line	Present in Same Manufacturing Plant
Egg/Egg Products • Egg whites, albumen, lysozyme etc.	No	No	No
Fish • All species	No	No	No
Milk/Milk Products • Caseinates, NFDM, cheese, whey, lactose, butter, etc.	No	No	No
Peanut Products • All types (e. g. butter, oil, arachis,etc.)	No	No	No
Shellfish Crustaceans • Shrimp, crab, lobster, prawns, crayfish, etc.	No	No	No
Soybean/Soy Products • Tofu, miso, soy lecithin, soy flour, soy grits, soy isolate, hydrolyzed soy protein, etc.	No	No	No
Tree Nuts • All types (e.g., walnuts, almonds, cashews, pecans, hazelnuts, Brazil nuts, pistachios, pine nuts, macadamia, gingko nut, coconut, etc.)	No	No	No
Wheat/Related Grains • Wheat gluten, wheat flour, germ, farina, malt, etc.	No	No	No

International Allergens & Sensitizing Agents	Present in Product	Present in Products Manufactured on Same Line	Present in Same Manufacturing Plant
Added Diacetyl	No	No	No
Alternative Sweeteners • Aspartame, fructose, Sorbitol, Stevia, Sucralose, etc.	No	No	No

(CONTINUED ON NEXT PAGE)

5455 SOUTH VILLA AVENUE, FRESNO, CALIFORNIA 93725 (559) 834-6885 FAX (559) 834-6888

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TECHNICAL BULLETIN
ALLERGEN AND SENSITIVITY AGENTS INFORMATION
Dried Citrus Peel

International Allergens & Sensitizing Agents	Present in Product	Present in Products Manufactured on Same Line	Present in Same Manufacturing Plant
Anti-Oxidants • BHA, BHT, TBHQ, etc.	No	No	No
Celery	No	No	No
Chocolate/Chocolate Derivatives	No	No	No
Colors • Annatto, apo-carotenal, beet powder, caramel, carmine, cochineal, FD&C, paprika, tartrazine, turmeric, etc.	No	No	No
Gluten • Barley, malt, oats, rye, etc.	No	No	No
Grains • Barley, corn, oats, rice, etc.	No	No	No
Hydrolyzed Vegetable Protein	No	No	No
Lupin/Lupine	No	No	No
Monosodium Glutamate (MSG) • Autolyzed yeast/yeast extracts, Glutamic acid	No	No	No
Mustard	No	No	No
Preservatives • Natamycin, nisin, sodium benzoate, sorbates, etc.	No	No	No
Seeds/Seed Derivatives • All types (e.g., caraway, celery seed, cottonseed, mustard, poppy, safflower, sesame, sunflower, etc.)	No	No	No
Sesame	No	No	No
Shellfish Molluscan • Clams, mussels, oyster, scallops, etc.	No	No	No
Sulfites/Sulfur Dioxide • Sodium bisulfite, sodium metabisulfite, sodium sulfite, potassium bisulfite, potassium metabisulfite, potassium sulfite, etc.	No	Yes	Yes

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PERCENT RANGE OF INGREDIENTS

Vita-Pakt Product #6-0786, Premium Lemon Peel Granules

Ingredient	%wt/wt
Lemon Peel	100

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I. PRODUCT IDENTIFICATION

Trade Name:	Dried Lemon Peel
Formula:	N/A
Chemical and Common Name:	Dried Lemon Peel
CAS Number:	N/A

II. TYPICAL PHYSICAL AND CHEMICAL CHARACTERISTICS

Appearance and Odor: Pieces or granules of light yellow to tan color with characteristic lemon aroma.

Boiling Point (@ 760 mm Hg):	N/A
Vapor Pressure (Torr @ 25° C):	N/A
Vapor Density (Air = 1):	N/A
Specific Gravity (@ 25/25° C, H_2O = 1):	N/A
Solubility in Water:	None

III. FIRE, EXPLOSION AND REACTIVITY HAZARD DATA

Flash Point (Tag Closed Cup):		N/A
Ignition Temperature:		N/A
Flammable Limits		
(Percent by Volume):	Lower:	N/A
	Upper:	N/A
Fire Extinguishing Media:		N/A
Special Fire Fighting Procedures:		None
Unusual Fire and Explosion Hazards:		None
Hazardous Products of Combustion:		None
Stability Considerations:		Stable
Incompatibility With:		N/A
Hazardous Polymerization:		None
Hazardous Decomposition Products:		None
Conditions to Avoid:		None

IV. HEALTH HAZARD DATA

OSHA Permissible Exposure Limit:	Not Listed
ACGIH Threshold Limit Value:	Not Listed
Carcinogenicity:	N/A
Effects of Overexposure:	None
Primary Route(s) of Exposure:	Skin, eye, inhalation or ingestion

IV. HEALTH HAZARD DATA (cont'd.....)

Emergency First Aid Procedures:	Wash with soap and water, flush eyes
Medical Conditions General Recognized As Being Aggravated By Exposure:	None

V. SPILL OR LEAK PROCEDURES

Steps to Be Taken in Case Material Is Released or Spilled:	Flush with water, sweep or vacuum.
Waste Disposal Method:	Dispose in compliance with federal, state, and local regulations.

VI. PERSONAL PROTECTION, HANDLING AND STORAGE INFORMATION

Personal Protective Equipment:	Adequate work clothes. For sensitive individuals, gloves may be required.
Appropriate Hygienic Practice:	Wash with soap and water.
Ventilation:	Normal or mechanical
Restrictions:	None
Handling and Storage Precautions:	Store in cool, dry area in sealed containers.

For further questions, contact Paul Gottschall at (559) 562-6008.

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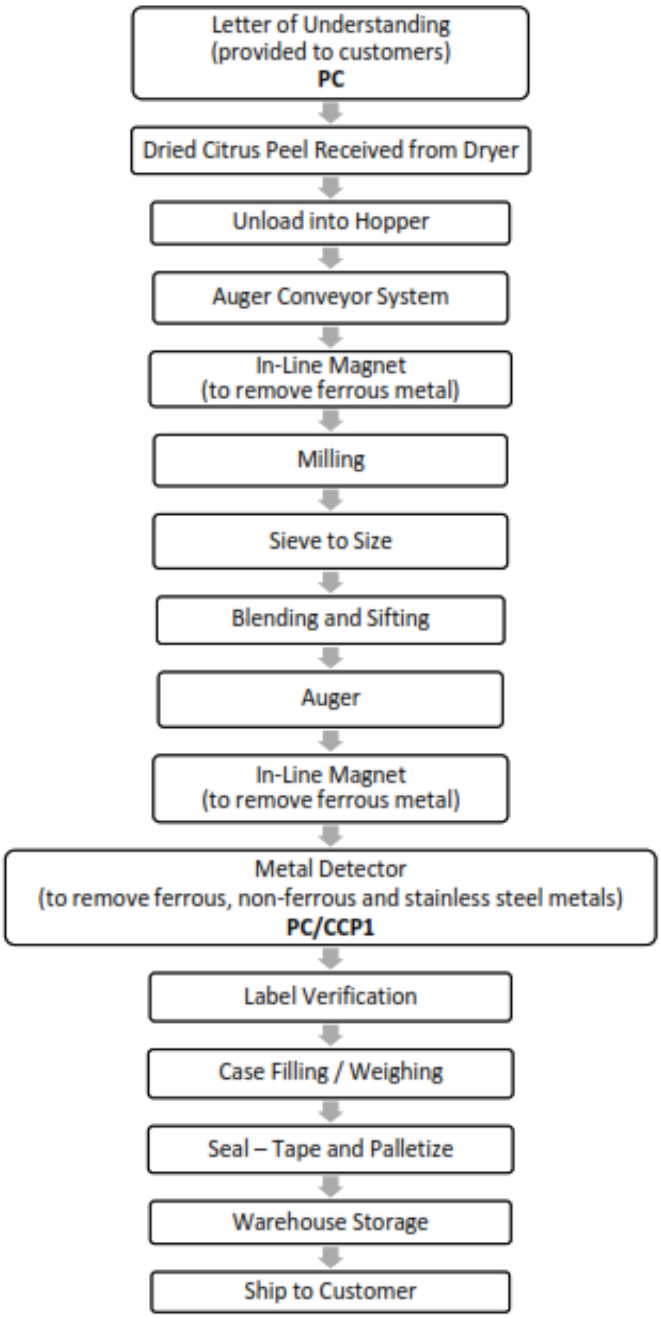
TECHNICAL BULLETIN

VITA-PAKT CITRUS PRODUCTS CO.
HACCP/HARPC FLOW CHART
(Conventional or Organic)
Citrus Peel Granules/Powder



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Dried Carton Dimensions

17.5"x 12.5"x 14.5" Carton

Peel Cuts

Powders (-40)
Fine Cut (-16+40)
Tea Bag Cut (-14+60)
Medium Granules (-8+16)

1.8 Cubic Ft.

19.5"x 12.5"x 14" Carton

Peel Cuts

Standard Granules (-10+40)

2 Cubic Ft.

22"x 16.25"x 19" Carton

Peel Cuts

Large Granules (-4+8)
Shreds (3⁄16")
Diced (1⁄4", 3⁄8")
Ribbons (3⁄4")

4 Cubic Ft.

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Dried Pallet Configuration

20 Carton Pallet

4 Tiers of 5 Cartons

89 Cubic Ft.

Peel Cuts

-4+8, 3/16", 3/8", 1/4", 3/4" Ribbons

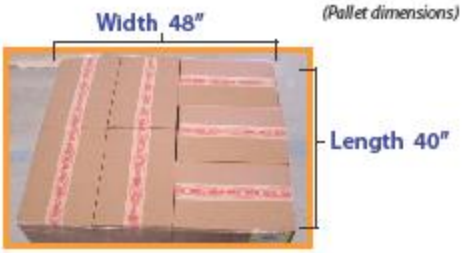
28 Carton Pallet

4 Tiers of 7 Cartons

68 Cubic Ft.

Peel Cuts

All Premium Peels



32 Carton Pallet

4 Tiers of 8 Cartons

69 Cubic Ft.

Peel Cuts

-40, -16+40, -14+60, -10+40, -8+16

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