



ATLANTIC SPICE CO.

TECHNICAL BULLETIN

PRODUCT NO. 118
ORANGE PEEL GRANULES (-10+40)

Description

Orange peel is obtained from clean, sound, mature oranges of the species *Citrus sinensis*. The fruit is washed and the juice extracted. Orange 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: Orange 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 orange peel	Coliform	≤400
Defects	Reasonably free of scorched particles or other defects.	E. coli	≤10
Color:	Light orange to tan		

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

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



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NUTRITION FACTS

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Average Values per 100 grams

Calories	362	
Calories from Fat	0	
Moisture	6.0	g
Ash	2.7	g
Total Fat*	0.7	g
Saturated Fat*	0.1	g
Trans Fatty Acids	0	g
Cholesterol	0	mg
Sodium	10.2	mg
Potassium	725	mg
Total Carbohydrate	85.5	g
Dietary Fiber	72.2	g
Sugars	5.0	g
Added Sugars	0	g
Protein	5.1	g
Vitamin A	510	I.U.
Vitamin C	405	mg
Vitamin D	0	mcg
Calcium	512	mg
Iron	3	mg
Folic Acid	103	mcg

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



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PERCENT RANGE OF INGREDIENTS

<u>Ingredient</u>	<u>%wt/wt</u>
Orange Peel	100



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MATERIAL SAFETY DATA SHEET

I. PRODUCT IDENTIFICATION

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

II. TYPICAL PHYSICAL AND CHEMICAL CHARACTERISTICS

Appearance and Odor: Pieces or granules of light orange to tan color with characteristic orange 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 ₂ O = 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

MATERIAL SAFETY DATA SHEET

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: containers.	Store in cool, dry area in sealed