

EDISON GRAIN INC TECHNICAL DATA SHEET	ORGANIC SORGHUM PENNE PASTA		Item Code: PSP
	Issue Date: 7/10/18	Supersedes Version Dated: 8/1/16	Page 1 of 5



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Product Information	
Ingredients	Organic sorghum flour
Organic Certification	OTCO (Client ID: OT-002854)
Country of Origin	Bolivia
Gluten-Free	Verified gluten-free (defined by FDA as <20 ppm gluten)
Allergen-Free Production	Packed on a dedicated production line free of FDA "Big 8" allergens (wheat, peanuts, tree nuts, milk, eggs, fish, shellfish, & soy)



Regulatory Compliance	
National Organic Program	Edison Grain Inc. handles products that meet or exceed USDA organic standards. (NOP ID: 8150000583)
FDA	Edison Grain Inc. is registered with the FDA and is in compliance with the Bioterrorism Act of 2002. Product is food grade and complies with the FD&C Act and FSMA Preventive Controls for Human Food rule (21 CFR Part 117). Food-contact packaging complies with FDA requirements.
SDS	Safety Data Sheet available on website: <a href="http://edisongrain.com">http://edisongrain.com</a>
Additional Information	Additional program information is available at <a href="http://edisongrain.com">http://edisongrain.com</a>

Sensory Analysis	
Color	Brown
Shape/Texture	Medium length hollow pasta with ridges, cut diagonally at both ends
Taste/Aroma	Typical of sorghum

Standard Specifications	
Purity	>/= 99.9%
Moisture	< 11%
Infestation	None

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Microbiology & Gluten Limits			
<b>Aerobic plate count</b>	<7 x 10 <sup>4</sup> CFU/g	<b>Listeria spp.</b>	Negative/25g
<b>Coliform</b>	<1 x 10 <sup>3</sup> CFU/g	<b>Salmonella spp.</b>	Negative/25g
<b>E.coli</b>	<10 CFU/g	<b>Staphylococcus aureus</b>	<10 CFU/g
<b>E.coli O157:H7</b>	Negative/25g	<b>Yeast &amp; Mold</b>	<1 x 10 <sup>4</sup> CFU/g
<b>Gluten</b>	<20 ppm		

Allergen Statement				
Component	Present in Product	Supplier	Edison Grain Inc.	
		Processed on Shared Equipment	Processed on Shared Equipment	Present in Facility
Peanuts or derivatives	No	No	No	Yes <sup>1</sup>
Tree Nuts or derivatives	No	No	No	Yes <sup>1</sup>
Milk or derivatives	No	No	Yes <sup>2</sup>	Yes <sup>2</sup>
Egg or derivatives	No	No	No	No
Fish or derivatives	No	No	No	No
Shellfish or derivatives	No	No	No	No
Soy or derivatives	No	No	No	No
Wheat or derivatives	No	No	No	No
Gluten <sup>3</sup>	No	No	No	No

- Warehousing/cross-dock orders of peanut and tree nut products are received and stored in sealed packaging in a segregated section of the facility. No processing activity takes place on site.
- Milk allergen is in the form of cheese packets which are received in sealed pouches that remain intact during packing.
- Edison Grain meets or exceeds FDA standards for "gluten-free," defined as <20 ppm. Lot-specific gluten results are available at <http://edisongrain.com>.

Product Declarations	
<b>Organic</b>	Certified USDA Organic by Oregon Tilth (OTCO)
<b>Kosher</b>	Certified Kosher by Chicago Rabbinical Council (cRc)
<b>Gluten-Free</b>	Verified Gluten-Free via lot-specific COA
<b>Non-GMO</b>	Edison Grain Inc. is part of the USDA National Organic Program which prohibits the use of GMOs.
<b>Non-Hydroponic</b>	Soil grown ingredients
<b>Irradiation</b>	Non-irradiated product
<b>Additives/Preservatives</b>	Additive-free and preservative-free
<b>HACCP/GMP</b>	Annual 3 <sup>rd</sup> party audit by SCS Global Services

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### Production/Quality Assurance

<b>Production Process</b>	Testing, packing, finished product metal detection
<b>Product Testing</b>	Every incoming product lot is tested by an independent third-party ISO/IEC 17025 certified laboratory for microbiology and gluten prior to Edison Grain production. Lot-specific Certificates of Analysis are available on the Edison Grain website: <a href="http://edisongrain.com">http://edisongrain.com</a>
<b>Equipment Testing</b>	ATP swab of food contact surfaces prior to production
<b>Finished Product Metal Detection</b>	Rejection Thresholds:
	Stainless: 5,556 mm (bulk) / 2,0 mm (retail & food service)
	Non-Ferrous: 5,5 mm (bulk) / 1,5 mm (retail & food service)
	Ferrous: 2,5 mm (bulk) / 1.2 mm (retail & food service)
<b>Quality Control</b>	HACCP program. FDA requirements implemented which include current Good Manufacturing Practices and Food Safety Plan with hazard analysis and process, allergen, sanitation, and supply-chain preventive controls.
<b>Pest Control</b>	As a certified organic facility, Edison Grain does not use pesticides on site. Pest control is achieved through non-chemical measures including management of environmental factors to prevent pest reproduction, and use of tin cats with glue boards, pheromones and pheromone traps, and insect light traps. Interior/exterior surveys are conducted weekly by in-house staff and monthly by a licensed professional pest control service.

### Storage/Stability/Use

<b>Recommended Storage</b>	Ambient. Store in a cool, dry place out of direct sunlight.
<b>Humidity</b>	70% maximum
<b>Shelf Life</b>	24 months in original sealed packaging
<b>Preparation</b>	Product must be cooked before consuming.
<b>Expected Use</b>	Suitable for general public as well as Celiacs or those with gluten sensitivities.

### Lot Code Explanation

**Example: BFG25-1078-CA-542**

	Explanation	Translation
<b>BFG25</b>	3-letter Product Code + bag size	Beans/French Green Lentils/ 25 lb. bags
<b>1078</b>	Date lot received from supplier using 3-digit Julian date + extra digit for year	Received on: 107 = June 14 8 = 2018
<b>CA</b>	Country of origin using ISO 2-letter country code	From Canada
<b>542</b>	3- to 5-digit internal control number	Internal control number

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### Standard Pallet Specifications

<b>Description</b>	Number 1 wooden pallets. Standard 4-way entry. Clean and correct size for product. Fits pallet interlocked stowage. Corrugated slip sheet on base.
<b>Size</b>	Approximately 40"x48"x5"
<b>Weight</b>	Estimated 65 lbs. per pallet
<b>Loaded Weight</b>	2,500 lbs. maximum
<b>Pallet Wrap</b>	Clear cast film
<b>Pallet Configuration</b>	Single stack only. Refer to Bulk, Food Service & Retail Specifications

### Bulk/Food Service Specifications

#### Unit Packaging

Net Weight	Material	Dimensions (W x H x Gusset)	Label Info
5 lbs.	Food Grade BPA-free BOPP/Cotton Paper/PET/LDPE film stand-up pouch with zipper closure (heat sealed)	12" x 16" x 4.5"	Product Name, Unit Weight, Nutrition Facts, Directions for Use, Best if Used By Date, Lot Code, Country of Origin, Certifications

Case	Units per Case	Gross Weight	Material	Dimensions (L x W x H)
	4	22 lbs.	Corrugated Carton	19" x 15" x 9"

Pallet	Cases per Pallet	Net Weight	Gross Weight	Pallet Configuration
	48	1056 lbs.	+ 65 lbs. (estimated)	6 cases/layer x 8 layers

#### Nutrition per 100g

Total Calories (Cal): 356.74

Total Fat (g)	1.8	Total Carbohydrates (g)	81.02
Saturated Fat (g)	0	Dietary Fiber (g)	3.35
Trans Fat (g)	0	Total Sugars (g)	0
Cholesterol (mg)	0	Added Sugars (g)	0
Sodium (mg)	3	Protein (g)	6.37
Vitamin D (mcg)	0	Iron (mg)	1.6
Calcium (mg)	6.13	Potassium (mg)	156



Nutritional information obtained from supplier.

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**Food Service & Retail Specifications**

Unit Packaging			
Net Weight	Material	Dimensions (W x H x Gusset)	Label Info
8 oz.	Food Grade BPA-free BOPP/Cotton Paper/PET/LDPE film stand-up pouch with zipper closure (heat sealed)	6" x 9" x 3"	Product Name, Unit Weight, Nutrition Facts, Directions for Use, Best if Used By Date, Lot Code, Country of Origin, Certifications
5 lbs.		12" x 16" x 4.5"	

Case				
Unit Size	Units per Case	Gross Weight	Material	Dimensions (L x W x H)
8 oz.	6	5 lbs.	Corrugated Carton	10" x 9" x 6"
5 lbs.	4	22 lbs.		19" x 15" x 9"

Pallet				
Case Type	Cases per Pallet	Net Weight	Pallet Weight	Pallet Configuration
6 x 8 oz.	160	800 lbs.	+ 65 lbs. (estimated)	16 cases/layer x 10 layers
4 x 5 lbs.	48	1056 lbs.		6 cases/layer x 8 layers



8 oz (227g)  
Organic Sorghum Pasta Penne

Nutrition Facts	Amount per serving	% DV*	Amount per serving	% DV*
	4 servings per container	<b>Total Fat</b> 1g	<b>1%</b>	<b>Total Carb.</b> 45g
Sat. Fat 0g		<b>0%</b>	Fiber 2g	<b>7%</b>
Serving size 2 oz (56g) dry	Trans Fat 0g		Total Sugars 0g	
	<b>Cholesterol</b> 0mg	<b>0%</b>	Incl. 0g Added Sugars	<b>0%</b>
Calories per serving <b>200</b>	<b>Sodium</b> 0mg	<b>0%</b>	<b>Protein</b> 4g	
	Vit D 0% • Calcium 0% • Iron 5% • Potassium 2%			

\*%DV = % Daily Value



**Ingredients:** Organic Sorghum Flour  
Nutritional information obtained from supplier.