



PURIS™ Pea 2.0 / Non-GMO Pea Protein		
Product Name	PURIS™ Pea 2.0	Version 0.1
Product Code	P 2.0	
Brand Name	PURIS™	
<b>Confidential Document</b>		

**Description:** Non-GMO 80% pea protein manufactured from yellow field peas in the USA without the use of any chemical solvents, designed for applications where de-flavored pea protein with high solubility, high functionality, and small particle size is required. Our proprietary process is designed to have a bland taste and is perfect for applications such as dry beverage blends, ready-to-drink products, meat alternatives, vegan spreads, and emulsified products.

**Ingredients:** Pea protein  
**Botanical Name:** *Pisum sativum L.*

**Sensory Characteristics:**

Parameter	Comments
Appearance	Cream to Off-White Powder
Taste	Neutral Bland taste
Odor	Clean no Off-Odor

**Physical Characteristics:**

Parameter	Comments	Method
Through 200 mesh (75 microns)	70 % min	Particle size analyzer
Poured bulk density	0.35 g/ml Typical	Gravimetric
pH	6.5-7.5	10% Solution

**Microbiological Characteristics:**

Parameter	Values	Method
Aerobic plate Count	<50,000/g	BAM Ch. 3
Coliform	<10 cfu/g	BAM Ch. 4
E. Coli	<10 cfu/g	BAM Ch. 4
Yeast and Mold	<100 cfu/g	AOAC
Salmonella	Negative /375 g	AOAC/BAM

Status:	Current Review Date:	Previous Review Date:	Supersedes:	Approval:
Active	12/27/2021	-	-	Kushal Chandak, VP of R&D



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**Nutritional Data (Typical values for 100g of commercial product):**

<b>Chemical Analysis</b>	<b>Values</b>	<b>Tolerance</b>	<b>Method</b>
<b>Moisture (g)</b>	6.0	Max	AOAC 930.15
<b>Protein (dry matter basis ) (g)</b>	80.0	Min	AOAC 992.23
<b>Total Fat (g)</b>	6.0	Average*	AOAC 996.06
- <b>Saturated Fat (g)</b>	1.0	Average*	AOAC 996.06
- <b>Mono-unsaturated fat (g)</b>	2.0	Average*	AOAC 996.06
- <b>Poly-unsaturated fat (g)</b>	3.0	Average*	AOAC 996.06
- <b>Cholesterol (g)</b>	0.0	Average*	AOAC 996.06
- <b>Trans Fatty Acids (g)</b>	0.0	Average*	AOAC 996.06
<b>Carbohydrates (g)</b>	4.0	Average*	Calculated
- <b>Sugars (g)</b>	0.0	Average*	AOAC 982.14
- <b>Added Sugars (g)</b>	0.0	Average*	AOAC 982.14
- <b>Dietary Fiber (g)<sup>1</sup></b>	4.0	Average*	AOAC 991.43(Mod.)
- <b>Soluble Fiber (g)</b>	0.0	Average*	AOAC 991.43(Mod.)
- <b>Insoluble Fiber (g)</b>	4.0	Average*	AOAC 991.43(Mod.)
<b>Ash (g)</b>	5.0	Average*	AOAC 942.05
- <b>Sodium (mg)</b>	750	Average*	AOAC 965.017/985.01
- <b>Phosphorus (mg)</b>	1,100	Average*	AOAC 965.017/985.01
- <b>Potassium (mg)</b>	200	Average*	AOAC 965.017/985.01
- <b>Calcium (mg)</b>	400	Average*	AOAC 965.017/985.01
- <b>Iron (mg)</b>	10	Average*	AOAC 965.017/985.01
<b>Vitamin D (mg)</b>	0.0	Average*	Huang et. Al Rapid Comm. Mass Spectrum 2014, 28
<b>Calories (Kcal)</b>	390	Average*	Atwater Factors

(\*): Typical average values are given for information, and should not be considered contractual

1. Based on PURIS current evaluation of new FDA Dietary Fiber definition

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**Amino Acid Profile (Typical data per g/100g) \*:**

Essential Amino Acids	Values	Non-Essential Amino Acids	Values
Arginine	6.84 g	Alanine	3.44 g
Histidine	1.99 g	Aspartic Acid	9.42 g
Isoleucine	4.05 g	Cysteine	0.85 g
Leucine	6.80 g	Glutamic Acid	13.32 g
Lysine	6.11 g	Glycine	3.28 g
Methionine	0.85 g	Serine	3.88 g
Phenylalanine	3.86 g	Tyrosine	3.86 g
Threonine	3.05 g	Proline	3.55 g
Valine	4.28 g		
Tryptophan	0.79 g		

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**Label Declaration:** Pea Protein.

**Lot Coding:** Example Lot Number: 141003TL2; 14= Year, 10= Month, 03= Date, TL=Site, 2= Packaging Line

**Non-GMO Declaration:** PURIS™ Pea 2.0 is Non-GMO.

**Packaging:** Packaged in 20kg multiwall paper bags.

**Storage Conditions:** Product should be stored in a cool, dry location, and in the original sealed package away from odorous material.

**Shelf Life:** The shelf is a minimum of 24 months.

**Certification:** Kosher

**Standard COA:** Moisture, Protein, pH, Aerobic Plate Count, Coliforms, E. Coli, Yeast & Mold, Salmonella, Soy & Gluten Allergen.

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