



Supplier	Onset Worldwide LLC		Written By	Amanda Buchel
Address	843 State Route 12, Suite B15, Frenchtown, NJ 08825		Version Date	1/29/25
Document Title	Finished Good Specification Sheet - Onset Worldwide		Version #	7
PRODUCT SUMMARY				
Product	Conventional Sunflower Seed Protein Powder			
SKU	SU109			
Ingredients	100% Sunflower Kernels			
Processing Aids	None			
Origin	USA			
Certifications	Kosher	☒		
Packaging	25 LB bags	☒		
Shelf Life	24 months - re-test after 24 months			
Storage Recommendations	Store in its original, closed packaging, in dry and dark conditions. You are advised to keep product at or below (18°C or 65°F), and below 70% relative humidity.			
Label Sample	Product Name Lot Number Net Weight:			
Ready to Eat Consideration	Raw - Not Treated			
Spec Type	Finished Good Specifications			
PHYSICAL & MICROBIOLOGICAL				
Appearance	Finely milled sunflower kernels			
Taste and Odor	Must be typical			
Lot Code Meshes	A = 80% through US 80 Mesh B = 80% through US 120 Mesh C = 80% through US 150 Mesh D = 80% through US 100 Mesh			
Particle Size	80% through US 100 Mesh (150 Micron)			
Moisture	≤ 8 %			
E. Coli	< 10 cfu/g	AOAC 991.14 or equiv		
Salmonella	Absent in 375g	USP <2022> or equiv		
Aflatoxin	< 10 ppb	Elisa or equiv		
Protein	50 +/- 5%	AOAC 990.03; AOAC 992.15		
STATEMENTS				
Intended Use Statement	This product is intended as a food ingredient in food preparations for human consumption. It is suitable for vegetarians, vegans, and lactose-intolerant individuals.			
Non-GMO Statement	We are pleased to declare that all of our seed & grain products were produced using traditional breeding methods. No genetically modified organisms (GMO's) or transgenic breeding methods were used in the production of these crops			
Residue Limit Statement	This product complies with FDA limits on Pesticides-Herbicides, as well as Prop 65 California Law.			
Halal Statement	This product was not processed with animal nor animal by-products. This product was not processed with alcohol. This product has not come in contact with any meat nor dairy products.			
Non-Irradiated Statement	This product is non-irradiated. It has not been exposed to radiation as a kill step.			

Natural Statement	This product is 100% natural. There are no added ingredients.
Food-Grade Packaging Statement	The packaging supplied by our vendors is made of food-grade material.
Regulatory Statement	Any additional testing required by the customer is the responsibility of the customer, or the customer must inform Onset Worldwide, in writing, prior to purchase. Additional costs may apply. Onset Worldwide makes no claim nor warranty to any testing not included on the COA. Testing on the COA is conducted using a representative sample, and the results may vary throughout the lot. Raw Product Disclaimer. If any Product is listed as a raw product (and not “ready to eat” or “RTE”), the following disclaimer shall apply (and supersede any disclaimer or limitation of liability on the face of a Sales Contract). A raw product (1) is not safe to consume as is, (2) may contain harmful pathogens that can cause serious illness if consumed as is, and (3) must be further processed to kill pathogens before it is safe to consume. Seller hereby disclaims any warranties for the raw product that is used as “as is” or “ready to eat” and shall not have any liability for, or attributable to, the raw product that is used as “as is” or “ready to eat”, including but not limited to, the purchase, receipt, storage, handling, use, resale or recall of the raw product that is used “as is” or “ready to eat” by buyer or its customers or consumers.
Gluten Statement	Onset Worldwide certifies that this product has not come into contact with gluten nor products containing gluten during processing, packaging, and storing. Any gluten testing required by the customer is the responsibility of the customer, or the customer must inform Onset Worldwide, in writing, prior to purchase. Additional costs may apply. See matrix below for more information.
Continuing Guarantee	Onset Worldwide warrants that any product delivered to the direct customer are not adulterated or misbranded, within the meaning of the FDCA as well as other applicable laws and regulations.
No Artificial Statement	Onset Worldwide certifies to the best of our knowledge and belief that this product contains no artificial flavor, no artificial color, and no artificial preservative.
Vegan Statement	We hereby declare that this product: 1) Contain(s) no animal ingredients or animal by-products (including honey and sugar refined with bone char); 2) Use(s) no animal ingredient or by-product in the manufacturing process; and 3) Is(are) not being tested on animals by any company or independent contractor.
Hormone Free	This product was not derived from animal sources, and is therefore hormone free.
Non-Sewage Sludge Statement	This product has not been grown with sewage sludge.

ALLERGEN MATRIX

	Present in Ingredient	Present in other products processed on the same line - at Onset Worldwide?	Present in the same facility - at Onset Worldwide?	Present in other products processed on the same line at Origin Supply?	Present in the fields where product was grown?
SHELLFISH, CRUSTACEAN, SEAFOOD, OCEAN DERIVATIVES, BYPRODUCTS	NO	NO	NO	NO	NO
FISH, FRESH WATER OR OCEAN, DERIVATIVES, BYPRODUCTS	NO	NO	NO	NO	NO

DAIRY OR DAIRY DERIVATIVES, BYPRODUCTS, INCLUDING LACTOSE	NO	NO	NO	NO	NO
EGG PRODUCTS OR EGG DERIVATIVES, BYPRODUCTS	NO	NO	NO	NO	NO
PEANUTS OR DERIVATIVES, BYPRODUCTS	NO	NO	NO	NO	NO
SOY, SOY BASED PRODUCTS OR DERIVATIVES, BYPRODUCTS	NO	NO	NO	NO	NO
TREE NUTS, NUT PRODUCTS, DERIVATIVES, BYPRODUCTS	NO	NO	NO	NO	NO
WHEAT OR WHEAT DERIVATIVES, BYPRODUCTS, OR OTHER CEREALS CONTAINING GLUTEN	NO	NO	NO	NO	Traces of wheat, barley, oats, corn within limits of specifications (up to 4% coming from field) - origin production reduces plant impurities to < 0.02%
COCONUT PRODUCTS	NO	NO	NO	NO	NO
SESAME SEEDS AND PRODUCTS THEREOF	NO	NO	NO	NO	NO
SULPHUR DIOXIDE AND SULPHITES MORE THAN 10MG/KG OR 10MG/LITER EXPRESSED AS SO ₂	NO	NO	NO	NO	NO
MUSTARD & DERIVATIVES	NO	NO	NO	NO	NO

NUTRITIONALS*

*Results vary per lot			Alanine	22.9 mg/g
Based on	30g	100g	Arginine	46.2 mg/g
Calories	130	420	Aspartic acid	47.4 mg/g
Total Fat	3.5g	11g	Cystine	9.65 mg/g
Saturated Fat	0g	1.5g	Glutamic acid	107 mg/g
Trans Fat	0 g	0 g	Glycine	22.9 mg/g
Cholesterol	0 mg	0 mg	Histidine	12.8 mg/g
Sodium	0mg	10mg	Isoleucine	21.9 mg/g

Total Carbohydrate	7g	25g		Leucine	33.2 mg/g
Dietary Fiber	5g	18g		Lysine	16.7 mg/g
Total Sugars	2g	6g		Methionine	11.1 mg/g
Added Sugars	0g	0g		Phenylalanine	24.3 mg/g
Protein	16g	54g		Proline	22.2 mg/g
Vitamin D	0mcg	0mcg		Serine	22.7 mg/g
Calcium	63mg	210mg		Threonine	19.4 mg/g
Iron	3mg	10mg		Tryptophan	7.39 mg/g
Potassium	435mg	1450mg		Tyrosine	14.8 mg/g
Amino Acid Score	0.54			Valine	25.2 mg/g
Protein Digestibility	0.940			PDCAAS	0.508
PUFA	4.99%				
MUFA	4.52%				
Ash	6.57%				

COA Template

Product	Conventional Sunflower Seed Protein Powder		
SKU	SU109		
Lot Number			
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Re-Test Date			
Ingredients	100% Sunflower Kernels		
Processing Aids	None		
Origin	USA		
Certifications	Organic	☐	
	Kosher	☒	
Packaging	50 LB bags	☒	
	25 KG bags	☐	
	2000 LB tote	☐	
	2205 LB tote	☐	
	Other, describe		
Shelf Life	24 months - re-test after 24 months		
Storage Recommendations	You are advised to keep product at room temperature or below (18°C or 65°F), and below 70% relative humidity.		

PHYSICAL & MICROBIOLOGICAL

Appearance	Finely milled sunflower kernels	
Taste and Odor	Must be typical	
Particle Size	80% through US 100 Mesh (150 Micron)	
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Food Fraud - Assessment					
Ingredient/ Raw Material	Product Description	Historic Incidents of Fraud?	Emerging concerns of Fraud?	Market size	Price of Product
Sunflower Kernels	Organic and Conventional	A couple. Substituted conventional for organic	None we are aware of	Medium	Product is not considered to be expensive.
Price Fluctuations	Geographic Areas	Supply Chain Complexity	Supply Chain Audits	Routine Testing Conducted?	Likelihood of Fraud Occurring?
Product does not experience frequent large fluctuations. No trading properties.	Bulgaria, USA, China	Supply chain is reasonably simple and short	Third party audits are conducted on most suppliers, the ones that aren't fill out forms assessing their food safety practices.	Microtesting is conducted routinely, but no identity testing on product	Unlikely
Audit Strategy	Supplier Relationship	Supplier History of Issues	Susceptibility of QA Methods and Specs	Testing Frequency	Geopolitical Considerations
Medium- Low. Most suppliers audited by third party.	Low – Trusted relationship.	Low – No known issues.	Medium- Low. Product tested for requirements per spec. No known adulterants.	Medium- Low. Every lot tested. COA issued.	Low – A single ingredient item from previously identified geographic regions
Fraud History	Economic Anomalies	Likelihood Food Fraud to Occur			
Low – No known issues.	Low – Nothing unusual.	Low			
Version History					
Date	Version	Change	Approval		
9/28/22	1	Original	Amanda Buchel		

12/12/22	-	Reviewed for accuracy; updated geographics and adjusted E.coli limits.	Amanda Buchel
03/01/23	2	Updated Mesh and Nutritionals	Amanda Buchel
5/31/23	3	Updated nutritional panel from 100g to 30g	Amanda Buchel
11/21/23	4	Adjusted moisture specification based on recent results.	Amanda Buchel
1/11/24	5	Annual Review; Updated Origin	Amanda Buchel
9/5/24	6	Included both 30g and 100g nutritionals	Amanda Buchel
1/29/25	7	Reviewed for accuracy; Updated storage recommendations and shelf life	Amanda Buchel
8/4/25	-	Annual Review	Sara Morrison
11/3/25	7.1	Updated moisture	Amanda Buchel
3/23/26	7.2	Annual Review; added Lot Code Meshes	Amanda Buchel-Carr