

Supplier	Onset Worldwide LLC	Written By	Amanda Buchel
Address	843 State Route 12, Suite B15, Frenchtown, NJ 08825	Version Date	7/27/25
Document Title	Finished Good Specification Sheet - Onset Worldwide - Cassava Flour Conventional	Version #	4

PRODUCT SUMMARY

Product	Cassava Flour - Conventional		
SKU	CA101-A		
Ingredients	100% Cassava Root		
Processing Aids	Water for washing (Origin India) Sodium metabisulphite (Origin Thailand, Laos)		
Origin	Thailand, Laos, India		
Certifications	Kosher	<input checked="" type="checkbox"/>	
Packaging	500 KG bags	<input checked="" type="checkbox"/>	
	25 KG bags	<input checked="" type="checkbox"/>	
	850 KG	<input checked="" type="checkbox"/>	
	2,200 LB tote	<input checked="" type="checkbox"/>	
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	Not Ready to Eat (NRTE)		



LEAD SAFE — ROOTS — BY:  Onset Worldwide

PHYSICAL & MICROBIOLOGICAL

Appearance	A white to off-white powder with a natural odor and test	
Taste and Odor	Must be typical	
Moisture	≤ 13 %	
E. Coli	≤ 10 cfu/g	BAM (2017), Chapter 4; ISO 9308-1:2014; IS 5887:PART 1
Salmonella	Absent in 25g	ISO 6579-1: 2017 (E); ISO 6579:2002; IS 5887:PART 3
Starch (Only applicable to Thailand)	> = 70%	EC Method 1999/79; ISO-10520
pH (Only applicable to Thailand and India)	4.0 - 7.0	AOAC (2007) 943.02; UMA-5578; IS 4706(PART 2)
Ash Content (Only applicable to Thailand and India)	≤ 3 %	AOAC 923.03; ISO-3593; IS 4706(PART 2)
Whiteness (Only applicable to Thailand and India)	≥ 65 %	Kett-C-130
Fineness India 100 Mesh Thailand 60 Mesh	≥ 95%	AACC Method 66-20
Crude Fiber (Only applicable to Thailand)	≤ 10	EC NO.152/2009; ISO-5498

Lead	< 30 ppb (0.03 ppm)	AOAC 2015.01
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	No genetically modified organisms (GMO's) or transgenic breeding methods were used in the production of these crops. GMOs are tested yearly via OMIC In-house method CH-127-TM-based on ISO 21569:2005, AMENDMENT 1:2013	
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	<p>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.</p> <p>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.</p> <p>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.</p>	
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	<p>We hereby declare that this product:</p> <p>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</p> <p>3) Is(are) not being tested on animals by any company or independent contractor.</p>	
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	NO
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 SO2	NO	NO	NO	Yes - line is cleaned before production, and keep product in separate storage	NO
MUSTARD & DERIVATIVES	NO	NO	NO	NO	NO

NUTRITIONALS*

*Results vary per lot

Based on	100g
Calories	357
Total Fat	0.16 g
Saturated Fat	0.05 g
Trans Fat	ND
Cholesterol	ND
Sodium	5.81 mg
Total Carbohydrate	88.9 g
Dietary Fiber	6.09g
Total Sugars	ND
Added Sugars	0
Protein	<1.25 g
Vitamin D	ND
Calcium	65.6 mg
Iron	0.93 mg
Potassium	96.1 mg

Food Fraud - Assessment

Ingredient/ Raw Material	Product Description	Historic Incidents of Fraud?	Emerging concerns of Fraud?	Market size	Price of Product
Cassava Flour	Conventional and Organic	Cassava is used to adulterate other starches, due to it's low cost Added 2024: Cyanide in cassava from Nigeria	Ongoing concerns of food fraud for financial gain	Medium and growing	Product is not considered to be expensive
Price Fluctuations	Geographic Areas	Supply Chain Complexity	Supply Chain Audits	Routine Testing Conducted?	Likelihood of Fraud Occurring?

We have not experienced frequent large fluctuations.	Honduras, Thailand, Laos, India	Supply chain is reasonably simple and short	Supplier is BRC	Microtesting is conducted routinely, but no identity testing on product	Unlikely, with current suppliers
Audit Strategy	Supplier Relationship	Supplier History of Issues	Susceptibility of QA Methods and Specs	Testing Frequency	Geopolitical Considerations
Medium- Low. All suppliers audited.	Low - new relationship for us, but a large customer has been doing business with them for years.	Low – No known issues.	Medium- Low. Product tested for requirements per spec.	Medium- Low. Every lot tested. COA issued.	Medium - sources from economically challenged areas
Fraud History	Economic Anomalies	Likelihood Food Fraud to Occur			
Medium - known concerns	Low – Nothing unusual.	Medium			
Version History					
Date	Version	Change	Approval		
10/9/24	1	Original	Amanda Buchel		
11/20/24	2	Deciphered the processing aids per origin	Amanda Buchel		
1/15/25	3	Reviewed for accuracy; included additional testing methods, updated storage recommendations	Amanda Buchel		
7/27/25	4	Annual Review; Combined 60 & 100 Mesh to 1 Spec. Added COO differentiators.	Sara Morrison		