



TREAT YOUR SOUL

BEEF TALLOW-RENDERED

CERTIFICATE OF ANALYSIS

Product Overview:

This product is made from selected beef fats that have been rendered and filtered. No additives have been used.

Product Specifications: (using AOCS Test Method #)

*tests are conducted at CFC and are on Certificate of Analysis (COA)

Flavor / Odor (sensory)	Characteristic
Color, Lovibond (Cc13b-45)	1.5R (max)
Free Fatty Acid, % as Oleic (Ca 5a-40)	0.50 (max)
Peroxide Value, mEq/kg (Cd 8b-90)	2.0 (max) ¹
Melt Point (Mettler)	107 – 118°F

Typical Properties: (not reported on COAs)

*Universal test results

SAP Value mg KOH/g (mg NaOH/g)	195 (139)
Physical State	Solid
Appearance	Light Yellow
OSI @ 110°C (hours) Smoke Point	15.0 (min) 400°F (min)
Flash Point (Closed Cup)	500°F (min)
Moisture, %	0.2 (max)
Stability (AOM) (hours)	80 (min)

Label Ingredients Statement:

Beef Fat

Applications:

Used in the Food Industry such as Baking, Frying and Cooking. Also has many applications in Industrial uses.

Claims:

USP Compliant (not certified)

USDA Inspected Facility (code:11457)

Country of Origin:

This product is sourced from the USA.

Process Flow:

Derived from rendering the clean, sound, fatty tissues (including trimming and cutting fats), attendant muscles and bones of bovine Cow.

Status of Ingredient Statement:

Beef Tallow is considered Lactose Free, Gluten Free, Glutamate Free, BSE & TSE Free (Rendered tallow is known to be low risk with respect to BSE & TSE, as the BSE (TSE) agent, a prion, is protein based and neither does it reside in the fat nor is it soluble. Due to the high level of processing and filtration it is extremely unlikely to present any risk of contamination.

Packaging & Availability:

Contact sales about packaging options and product availability

Storage & Shelf Life:

Store at 65 - 75°F in a dry and odor-free environment.

Best if used within 9 months from the date of manufacture in unopened containers.

Sewer Sludge and Irradiation:

Sulu Organics products are not exposed to, nor cultivated in, sewage sludge during production and subsequent processing. The oil is not exposed to any irradiation.

Food Grade Statement:

Sulu Organics certifies that Beef Tallow is Recognized as Safe (GRAS) as per 21CFR 182.1 and it is manufactured to Good Manufacturing Practices and is safe for its intended use in foods. Product is considered Ready- to-Eat.

¹Maximum result at packaging, an oil's peroxide value can increase but this does not imply that the oil is rancid.

Product Name : Beef Tallow

Document #: 2.3.5.1

Date: 06/28/2023

Revision #: 5.7

Revision Reason: Updated Various

Reviser: Rick Cummisford

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Regulatory Information:

Beef Fat, CFC 830 is Proposition 65 compliant, exempt from REACH (EC 1907/2006) as per Annex V, understood to be in Compliance with EC 1881/2006, All additives Comply to EC 96/77/EC, meets CONEG requirements, registered and compliant with Public Health & Security.

CAS# 61789-97-7 EC# 263-099-1

INCI Name – Tallow

FDA Bioterrorism Preparedness and Response Act of 2002 Registration # ----- 5788, Registration is current.

Foreign Material Contamination:

Pesticide Residues - Vegetable Oils may be routinely monitored for both Organo Phosphate and Chlorinated pesticide residuals by our suppliers. Detections limits for testing are in the 0.01ppm range. Due to the extensive processing involved, these materials are not expected to remain even if present in the original oilseed. To date, no detectable levels are known to be present in the product.

Heavy Metals - When previously tested, no reportable levels of heavy metals have been found. These include but are not limited to Lead (<0.1 ppm), Cadmium (<0.05ppm), Chromium (<0.05ppm), Mercury (<0.05ppm), and Arsenic (<0.1ppm).

To the best of our knowledge, this products is not at risk of exposure to chemicals or substance on the CMR list. As was likely meets EU criteria on 3-MCPD and GE content.

Other contaminants – There is no known content or contamination of potentially hazardous components in this vegetable oils and as such there is no risk of contamination. These components include but are not limited to chlorpyrifos, mycotoxins, phthalates, PAH, BPa, Dioxin, melamine, ethylene oxide, zearalenone, and organic solvents.

GMO Statement:

Non GMO

This term shall be used to describe products that contain NO ingredients, additives or processing aides derived from commodities that have commercially grown GMO varieties in the supply chain (i.e. contains no soybean, corn, cotton, canola, squash, papaya, potato or tomato).

Beef Fat, CFC 830 is packed using clean lines and is free from all extraneous material that might harbor genetically modified organisms (GMOs) or substances derived thereof.

As per the USDA, the product is not considered to be Bioengineered and no additional labeling is necessary.

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Microbiological Statement

Fats and Oil products by Sulu Organics have low moisture content (less than 0.10% typical), have in general been processed at elevated temperatures, and lack nutrients essential to support growth of most microorganisms. Organisms considered food-borne pathogens or of concern from a quality standpoint are not able to proliferate in oil. Sulu Organics processes and packs oil and shortening in a closed and sealed system offering little opportunity for contamination from extraneous materials that might harbor pathogens, viral particles etc.

The typical limits for microorganisms are outlined below.

Organism	Limits
Total Plate Count	Less than 100 per gram
Coliforms	Less than 10 per gram
E. coli	Less than 10 per gram
Staph. aureus	Negative
Salmonella	Negative
Yeast & Molds	Less than 10 per gram

Nutritional Data:

Nutrient	Amount / 100g
Total Solids**	100
Moisture***	0.0
Calories*	884
Total Fat (g)***	100
Saturated Fat (g)**	48.8
Polyunsaturated Fatty Acids (g)**	3.0
Monounsaturated Fatty Acids (g)**	49.0
Trans Fatty Acids (g)**	1.0
16:0 Palmitic***	30.0
18:0 Stearic***	18.0
18:1 Oleic***	49.0
18:2 Linoleic***	2.0
18:2 Trans***	1.0
18:3 Linolenic***	1.0
Total Carbohydrate (g)*	0.0
Total Dietary Fiber	0.0
Total Sugars (g)*	0.0
Added Sugars (g)*	0.0
Protein (g)*	0.0
Cholesterol (mg)*	14.0
Ash (g)*	0.0
Iron (mg)*	0.0
Sodium (mg)*	0.0
Potassium (mg)*	0.0
Calcium (mg)*	0.0
Vitamin A (mcg/RAE)*	0.0
Vitamin C (mg)*	0.0
Vitamin D (mcg)*	0.0

*USDA National Nutrient Database for Standards,

**Calculated

***Based on Analytical Results

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Allergens:

*Beef Tallow is derived from grass fed and grass finished cows and does not contain any of the nine major allergens, which are soy, eggs, peanut, milk, wheat, ~~te~~nuts, fish, sesame and crustacean fish.

The original source may be considered an allergen, although this product is not known to be allergenic. Consult with your doctor because it may be recommended that if a person has a severe allergy; they should avoid using this oil as it can give side effects. Follows Food Allergen Labeling and Consumer Protection Act of 2004 (FALCPA) (Pub. L. 108- 282).

Allergen	In the Product	On the same line	In the Facility
Soy Lecithin	no	no	yes
Toasted Sesame Oil	no	no	yes
Sensitizing Agents (NOT KNOWN ALLERGENS)			
Artificial Flavors – Butter	no	no	yes
Artificial Preservatives – TBHQ, BHA, BHT	no	no	yes

Stored Products:

Allergens listed below are not found in the oil production facility, and those marked with * may be stored and labeled in the warehouse in finished form. All products come from approved suppliers. Each product is evaluated on the potential cross contamination with other products and allergens in the approved supplier’s facility. If there is any risk to that product, then it is stated at the top of this section as “may contain” or “contains”. Otherwise if it is not, those Allergens or Sensitizing Agents listed below DO NOT pose any threat to any of Sulu Organics’ finished products.

*Milk and derivatives, *eggs and derivatives, *fish, shellfish (including crustaceans, mollusks and their derivatives), *tree nuts and derivatives, *wheat and derivatives, rice and derivatives, corn and derivatives, gluten sources (other than Wheat: such as oat and its by products, barley, rye, malt, buckwheat, spelt and kamut), yeast and derivatives, Lupin and derivatives, artificial colors, MSG, benzoates, hydrolyzed vegetable proteins, sulfites, artificial sweeteners, *animal derivatives, sodium, *mustard, *celery seeds, *seeds, aspartame, saccharin, *cocoa and derivatives, cinnamon, lactose, casein, rBST bovine growth hormone, and caffeine

Allergen Cross-Contamination Prevention:

Potential allergenic materials are produced using designated storage and processing, the risk of contamination is extremely low. When flush oils are used these are isolated and used only in products that may contain the same allergens. All containers and storage tanks are labeled accordingly if they may contain allergens. There are procedures in place to minimize any cross contamination and risk.

Company Information:

Address: 1273 Humbracht Ave., Bartlett Illinois 60103, US

Phone: (800)809-4941 | Email: support@thesulu.com | Web: www.thesulu.com

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