

ZFS Creston Defatted Soy Flakes

Product Specification Sheet

Product Description & Application

ZFS Creston Defatted Soy Flakes are flat, irregularly shaped flakes made from soybeans where the oil has been removed. Most flakes are used for further processing into isolates and textured products for use in the food industry and pet food industry. ZFS Creston Defatted Soy Flakes are not ready-to-eat or suitable for use in ready-to-eat applications.

Specifications

| Proximate Analysis | Value | Reference Method |
|------------------------------|------------------------------|------------------|
| Protein (dry basis) | 53% Min | AOCS Ba 4e-93 |
| Moisture | 9.0% Max | AOCS Bc 2-49 |
| Fat | 2% Max | AOCS Bc 3-49 |
| Crude Fiber | 4.5% Max | AOCS Bc 6-49 |
| Protein Dispersibility Index | Value | Reference Method |
| 90 PDI High Solubility | 85-95 Minimally Heat Treated | AOCS Ba 10b-09 |
| 70 PDI High Solubility | 65-75 Minimally Heat Treated | AOCS Ba 10b-09 |
| 20 PDI Solubility | 18-30 Fully Heat Treated | AOCS Ba 10b-09 |

| Physical Specifications | Descriptor/Value | Reference Method |
|-------------------------|--------------------|------------------|
| Color | Eggshell to golden | Visual |
| Flavor | Bland to nutty | Organoleptic |
| Aroma | Neutral to nutty | Organoleptic |

Shelf life, Storage and Transportation

Shelf life is 12 months for 90 PDI and 24 months for 20 and 70 PDI from production date when stored on pallets off the floor under dry and cool conditions. Product packaging integrity must be maintained and the storage area should be free of strong and objectionable odors. Transportation should be in a clean truck/lorry/container at ambient temperature and not with incompatible non-food materials.

NOTE: Defatted Soy Flakes are not Ready-to-Eat or suitable for use in Ready-to-Eat Applications.

- Specifications are based on previous production runs

Typical Product Analysis

| Nutritional Information | Value per 100 g | Minerals | Value per 100g |
|------------------------------------|-----------------|-----------------------|----------------|
| Calories (kcal) | 282 | Sodium (mg) | 15 |
| Calories from fat (kcal) | 18 | Potassium | 2277 |
| Calories from Saturated fat (kcal) | 4.5 | Calcium (mg) | 358 |
| Protein, as-is (g) | 50 | Iron (mg) | 8 |
| Moisture (g) | 5 | Phosphorus (mg) | 746 |
| Total Carbohydrates (g) | 36 | Magnesium (mg) | 310 |
| Insoluble fiber (g) | 20 | Zinc (mg) | 5 |
| Soluble fiber (g) | 2 | Copper (mg) | 1 |
| Total Sugars (g) | 14 | Vitamins | |
| Ash (g) | 7 | Vitamin A (IU) | 0 |
| Total Fat (g) | 2 | Vitamin C (mg) 0 | 0 |
| Saturated Fat (g) | 0.5 | Thiamine B1 (mg) | 0.3 |
| Trans Fat (g) | 0 | Riboflavin B2 (mg) | <.01 |
| Cholesterol (mg) | 0 | Niacin (mg) | 3.0 |
| | | Pyridoxine B6 (mg) | 0.3 |
| | | Folic acid (mcg) | 300 |
| | | Pantothenic acid (mg) | 1.5 |

Labeling (unless otherwise required)

Product name, ingredient statement, name and address of manufacturer, identification code, and production date. Halal & Kosher certified.

Allergen Information

Contains soy.

Made in U.S.A.

Warranty Statement

ZFS Creston believes that the information contained in the technical data sheets, product specification sheets and/or other ZFS Creston documents or materials and information contained in statements made by ZFS Creston representatives (together, *Information*) is true and accurate. However, all information and other statements, recommendations or suggestions given by ZFS Creston are made without any guarantee, representation or warranty of any kind, express or implied, on ZFS Creston part. **ZFS CRESTON EXPRESSLY DISCLAIMS TO THE FULLEST EXTENT PERMITTED BY LAW ANY AND ALL WARRANTIES, EXPRESS OR IMPLIED, PURPOSE OR SATISFACTORY QUALITY, WHETHER ARISING BY LAW, COURSE OF DEALING, COURSE OF PERFORMANCE, USAGE OF TRADE OR OTHERWISE, AND YOU ACKNOWLEDGE THAT YOU HAVE NOT RELIED UPON ANY REPRESENTATION OR WARRANTY MADE BY ZFS OR ON ANY INFORMATION.** ZFS excludes all liability in connection with buyer's/user's use of ZFS Creston products or the information and all such risks and liabilities are expressly assumed by the buyer/user.

Ingredients

Soy flakes.

Packaging

ZFS Creston Defatted Soy Flakes is packaged in bulk bags, bulk truck and bulk railcar.