





Pure Sunbeams, Pasteurized Perfection

Product Specification L01SK20250206

| Product Sunformation Sunformation | Art.Nº | 01SK | | | |
|--|--------------------------------------|---|---|--|--|
| Product: Sunflower Kemels Type Bakery Conventional Size 650 - 800 psc/Qc Origin: Bulgaria HTS 12060091 Certificates BBC, Kosher, FSMA, FDA registration Physical Characteristics: Product description Healthy and ripe sunflower seeds peeled and cleaned, for roasting, repeatedly machine-cleaned and optically sorted Appearance: Raw, dry, and firm kernels with off-white to gray coloring Flavor and odor: Cool and sweet typical sunflower nut meal flavor, free from foreign flavors or odors. The product is suitable fore; Vegetarians, Vegans, Lactose intolerant, Kosher **Purity (including natural foreign matter): Min. 99.99 % Impurities ≤ 0.01 Moisture < 8 % Broken (% kemel or less): < 7 % Natural foreign matter < 0.03 % Sick tights (more than 25 % covered by shell) < 3.3 % Insect Damage < 1 % Dark, Stained kernels < 2 % Sclerotia & Searned for glass, wood, stones, metal TPT < 100 000 oft/g | version | 11 Valid from: 02.09.2024 | | | |
| Type | General Information | | | | |
| Size 650 - 800 pcs/Oz Origin: Bulgaria HTS 12660091 Certificates BRC, Kosher, FSMA, FDA registration Physical Characteristics: Product description Healthy and ripe sunflower seeds peeled and cleaned, for roasting, repeatedly machine-cleaned and optically sorted Appearance: Raw, dry, and firm kernels with off-white to gray coloring Flavor and odor: Cool and sweet typical sunflower nut meal flavor, free from foreign flavors or odors The product is suitable for: Vegetarians, Vegans, Lactose intolerant, Kosher **Typical Analysis: Purity (including natural foreign matter): Min. 99.99 % Impurities ≤ 0.01 Broken (½ kernel or less): < 7 % | Product: | Sunflower Kernels | Sunflower Kernels | | |
| Origin: Bulgaria HTS 12060091 Certificates BRC, Kosher, FSMA, FDA registration Product description Healthy and rips sunflower seeds peeled and cleaned, for roasting, repeatedly machine-cleaned and optically sorted Appearance: Raw, dry, and firm kernels with off-white to gray coloring Flavor and odor: Cool and sweet typical sunflower not meal flavor, free from foreign flavors or odors The product is suitable for: Vegetarians, Vegans, Lactose intolerant, Kosher Typical Analysis: Purity (including natural foreign matter): Min. 99,99 % Impurities ≤ 0,01 Moisture ≤ 8 % Broken (½ kernel or less): < 7 % Natural foreign matter < 0,03 % Stick tights (more than 25 % covered by shell) < 0,3 % Insect Damage < 1 % Dark, Stained kernels < 2 % Sclerotia absent X – ray and metal detector scanned Scanned for glass, wood, stones, metal Mirrobiological Analysis TPT < 1000 oftu/g Bacillus cercus < 1000 cfu/g <tr< td=""><td>Type</td><td>· · · · · · · · · · · · · · · · · · ·</td><td colspan="2">Bakery Conventional</td></tr<> | Type | · · · · · · · · · · · · · · · · · · · | Bakery Conventional | | |
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| repeatedly machine-cleaned and optically sorted | | | | | |
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| odors | | | | | |
| Typical Analysis: Purity (including natural foreign matter): Min. 99,99 % Impurities ≤ 0,01 Moisture < 8 % | | odors | odors | | |
| Purity (including natural foreign matter): Impurities 0.01 Moisture 0.01 Moisture 0.03 Broken (½ kernel or less): Natural foreign matter 0.03 % Stick tights (more than 25 % covered by shell) Insect Damage 0.03 % Insect Damage 0.03 % Sclerotia 0.00 for glass, wood, stones, metal Scanned for glass, wood, s | The product is suitable for: | Vegetarians, Vegans, Lactose intolerant, Kosher | Vegetarians, Vegans, Lactose intolerant, Kosher | | |
| Impurities ≤ 0,01 Moisture < 8 % Broken (½ kernel or less): < 7 % Natural foreign matter < 0,03 % Stick tights (more than 25 % covered by shell) < 0,3 % Insect Damage < 1 % Dark, Stained kernels < 2 % Sclerotia absent X − ray and metal detector scanned Scanned for glass, wood, stones, metal Wicrobiological Analysis TPT < 100 000 cfu/g Enterobacteriaceae < 1000 cfu/g Bacillus cereus < 100 cfu/g Staphylococcus < 100 cfu/g Staphylococcus < 100 cfu/g Salmonella absent Listeria absent Listeria absent Escherichia coli < 10 cfu/g Aflatoxin B1 ²⁷ ≤ 2 µg/kg Aflatoxin B1+B2+G1+G2 ²⁷ ≤ 4 µg/kg Chemical characteristics Cadmium ²⁷ < 0,5 mg/kg | | | | | |
| Noisture | 1 | · · · · · · · · · · · · · · · · · · · | | | |
| Broken (½ kernel or less): < 7 % | 1 - | | | | |
| Natural foreign matter $<0.03\%$ Stick tights (more than 25% covered by shell) $<0.3\%$ Insect Damage $<1\%$ Dark, Stained kernels $<2\%$ Sclerotia absent X - ray and metal detector scanned Scanned for glass, wood, stones, metal **Microbiological Analysis** TPT $<100000 \text{ cfu/g}$ Enterobacteriaceae $<1000 \text{ cfu/g}$ Bacillus cereus $<100 \text{ cfu/g}$ Staphylococcus $<100 \text{ cfu/g}$ Staphylococcus $<100 \text{ cfu/g}$ Salmonella absent Listeria absent Escherichia coli $<10 \text{ cfu/g}$ Aflatoxin B1 2 $<2 \text{ µg/kg}$ Aflatoxin B1+B2+G1+G2 2) $<4 \text{ µg/kg}$ Cadmium 2) $<0.5 \text{ mg/kg}$ | | | | | |
| Stick tights (more than 25 % covered by shell) < 0,3 % | | | | | |
| Insect Damage $< 1 \%$ Dark, Stained kernels $< 2 \%$ Sclerotia absent X - ray and metal detector scanned Scanned for glass, wood, stones, metal Microbiological Analysis TPT $< 100 000 \text{ cfu/g}$ Enterobacteriaceae $< 1000 \text{ cfu/g}$ Bacillus cereus $< 100 \text{ cfu/g}$ Yeast and mold $< 100 \text{ cfu/g}$ Staphylococcus $< 100 \text{ cfu/g}$ Salmonella absent Listeria absent Escherichia coli $< 10 \text{ cfu/g}$ Aflatoxin B1 ²³ $< 2 \text{ µg/kg}$ Aflatoxin B1+ B2+G1+G2 ²³ $< 4 \text{ µg/kg}$ Chemical characteristics Cadmium ²³ $< 0.5 \text{ mg/kg}$ | | | | | |
| Dark, Stained kernels Sclerotia Ary and metal detector scanned Scanned for glass, wood, stones, metal Microbiological Analysis TPT | - ' | | | | |
| SclerotiaabsentX – ray and metal detector scannedScanned for glass, wood, stones, metalMicrobiological AnalysisTPT $< 100 000 \text{ cfu/g}$ Enterobacteriaceae $< 1000 \text{ cfu/g}$ Bacillus cereus $< 100 \text{ cfu/g}$ Yeast and mold $< 100 00 \text{ cfu/g}$ Staphylococcus $< 100 \text{ cfu/g}$ SalmonellaabsentListeriaabsentEscherichia coli $< 10 \text{ cfu/g}$ Aflatoxin B1 2) $< 2 \text{ µg/kg}$ Aflatoxin B1+B2+G1+G2 2) $< 4 \text{ µg/kg}$ Chemical characteristicsCadmium 2) $< 0.5 \text{ mg/kg}$ | 1 | < 1 % | | | |
| $ \begin{array}{c c} \textbf{X-ray and metal detector scanned} & \textbf{Scanned for glass, wood, stones, metal} \\ \hline \textbf{Enterobacteriaceae} & < 100 000 \text{ cfu/g} \\ \hline \textbf{Enterobacteriaceae} & < 1000 \text{ cfu/g} \\ \hline \textbf{Bacillus cereus} & < 100 \text{ cfu/g} \\ \hline \textbf{Yeast and mold} & < 1000 \text{ cfu/g} \\ \hline \textbf{Staphylococcus} & < 100 \text{ cfu/g} \\ \hline \textbf{Salmonella} & absent \\ \hline \textbf{Listeria} & absent \\ \hline \textbf{Escherichia coli} & < 10 \text{ cfu/g} \\ \hline \textbf{Aflatoxin B1}^2) & \leq 2 \text{ µg/kg} \\ \hline \textbf{Aflatoxin B1}^2 & \leq 4 \text{ µg/kg} \\ \hline \textbf{Cadmium}^2) & < 0.5 \text{ mg/kg} \\ \hline \end{array} $ | Dark, Stained kernels | < 2 % | < 2 % | | |
| $ \begin{array}{c c} \textbf{Microbiological Analysis} \\ \hline \text{TPT} & < 100\ 000\ \text{cfu/g} \\ \hline \text{Enterobacteriaceae} & < 1000\ \text{cfu/g} \\ \hline \text{Bacillus cereus} & < 100\ \text{cfu/g} \\ \hline \text{Yeast and mold} & < 10\ 000\ \text{cfu/g} \\ \hline \text{Staphylococcus} & < 100\ \text{cfu/g} \\ \hline \text{Salmonella} & \text{absent} \\ \hline \text{Listeria} & \text{absent} \\ \hline \text{Escherichia coli} & < 10\ \text{cfu/g} \\ \hline \text{Aflatoxin B1}^2) & < 2\ \mu\text{g/kg} \\ \hline \textbf{Aflatoxin B1}^2 & \leq 2\ \mu\text{g/kg} \\ \hline \textbf{Cadmium}^2) & < 0.5\ \text{mg/kg} \\ \hline \end{array} $ | | | | | |
| $ \begin{array}{c cccc} TPT & < 100\ 000\ cfu/g \\ \hline Enterobacteriaceae & < 1000\ cfu/g \\ \hline Bacillus\ cereus & < 100\ cfu/g \\ \hline Yeast\ and\ mold & < 10\ 000\ cfu/g \\ \hline Staphylococcus & < 100\ cfu/g \\ \hline Salmonella & absent \\ \hline Listeria & absent \\ \hline Escherichia\ coli & < 10\ cfu/g \\ \hline Aflatoxin\ B1^2) & \leq 2\ \mu g/kg \\ \hline Aflatoxin\ B1+B2+G1+G2^2) & \leq 4\ \mu g/kg \\ \hline \hline Chemical\ characteristics \\ \hline Cadmium^2) & < 0.5\ mg/kg \\ \hline $ | X – ray and metal detector scanned | Scanned for glass, wood, stones, metal | Scanned for glass, wood, stones, metal | | |
| Enterobacteriaceae $<1000 \text{ cfu/g}$ Bacillus cereus $<100 \text{ cfu/g}$ Yeast and mold $<10 000 \text{ cfu/g}$ Staphylococcus $<100 \text{ cfu/g}$ Salmonella absent Listeria absent Escherichia coli $<10 \text{ cfu/g}$ Aflatoxin B1 ²) $≤2 \text{ µg/kg}$ Aflatoxin B1+B2+G1+G2 ²) $≤4 \text{ µg/kg}$ Cadmium ²) $<0.5 \text{ mg/kg}$ | | | | | |
| Staphylococcus \$\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | | | | | |
| Yeast and mold $< 10\ 000\ cfu/g$ Staphylococcus $< 100\ cfu/g$ Salmonella absent Listeria absent Escherichia coli $< 10\ cfu/g$ Aflatoxin B1 ²⁾ $\le 2\ \mu g/kg$ Aflatoxin B1+ B2+G1+G2 ²⁾ $\le 4\ \mu g/kg$ Chemical characteristics Cadmium ²⁾ $< 0.5\ mg/kg$ | | | | | |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | | | | | |
| Salmonella absent Listeria absent Escherichia coli $<10 \text{ cfu/g}$ Aflatoxin B1 ²⁾ $\le 2 \mu g/kg$ Aflatoxin B1+B2+G1+G2 ²⁾ $\le 4 \mu g/kg$ Cadmium ²⁾ $<0.5 \text{ mg/kg}$ | Yeast and mold | | | | |
| Listeria absent Escherichia coli $< 10 \text{ cfu/g}$ Aflatoxin B1 ²⁾ $\le 2 \mu g/kg$ Aflatoxin B1+ B2+G1+G2 ²⁾ $\le 4 \mu g/kg$ Chemical characteristics Cadmium ²⁾ $< 0.5 \text{ mg/kg}$ | | < 100 cfu/g | <100 cfu/g | | |
| Escherichia coli $< 10 \text{ cfu/g}$ Aflatoxin B1 ²⁾ $\le 2 \mu g/kg$ Aflatoxin B1+ B2+G1+G2 ²⁾ $\le 4 \mu g/kg$ Chemical characteristics Cadmium ²⁾ $< 0.5 \text{ mg/kg}$ | Salmonella | absent | absent | | |
| $ \begin{array}{c c} & & & & & & \\ \hline Aflatoxin B1^{2)} & & \leq 2 \ \mu g/kg \\ \hline Aflatoxin B1+B2+G1+G2^{2)} & & \leq 4 \ \mu g/kg \\ \hline \hline & & & & \\ \hline Chemical characteristics \\ \hline Cadmium^{2)} & & & < 0,5 \ mg/kg \\ \hline \end{array} $ | | | | | |
| Aflatoxin B1+ B2+G1+G2 ²) $ \leq 4 \mu g/kg $ | | | | | |
| Cadmium ²⁾ Chemical characteristics Cadmium ²⁾ <pre>< 0,5 mg/kg</pre> | | | | | |
| Cadmium ²⁾ < 0,5 mg/kg | Aflatoxin B1+ B2+G1+G2 ²⁾ | | | | |
| | | | | | |
| Lead ³⁾ $< 0.2 \text{ mg/kg}$ | | | | | |
| | Lead ³⁾ | < 0,2 mg/kg | | | |







Pure Sunbeams, Pasteurized Perfection

| Oil Contain | ≥ 40 % |
|--------------------------------|-------------------------------------|
| FFA | < 1,50 % |
| PON | < 3 meq O2/kg |
| Irradiation | no |
| Allergens | absent |
| Genetically modified organisms | absent |
| Pesticides ¹⁾ | According to EU regulation 396/2005 |
| Ochratoxine | < 5,0 μg/kg (Regulation 2023/915) |

¹⁾According Regulation №396/2005; ²⁾ According Regulation №2023/915; ³⁾ According TP TC 015/2011 №874

Legal aspects

This product complies with EU food law. It is the customer's responsibility to check that the product complies with the food regulations in the country where the final product will be sold.

Specification is subject to reconfirmation.

1. Packaging

For packaging is use packaging materials which are authorized for contact with foodstuffs and which meet all the requirements of Regulation No 10/2011 and Regulation 1935/2004.

The kernels can be packed in the following packaging:

- in a white bag with three layers of paper of 20 kg;
- in a white bag with three layers of paper + polyethylene of 20 kg;
- in a white bag with three layers of paper of 22.68 kg;
- in a white bag with three layers of paper of 25 kg;
- in a white bag with three layers of paper + polyethylene of 22.68 kg;
- in a white bag with three layers of paper + polyethylene of 25 kg;
- in Big Bag / Q-BAG bags of 650 kg, 750 kg, 800 kg, 900 kg, 1000 kg, 1200 kg;
- in a white bag with three layers of paper + stamp "B-NORD" of 22.68 kg.

Other different package size options are possible, depending on the customer's choice. The final product can be palletized on:

- H1 / EURO pallets 80/120;
- UK / US / industrial grill pallets 100/120.

Before arranging the bags with peeled sunflower, a backing cardboard or moisture-proof paper is placed on the pallet. After the last row, cardboard is also placed, after which each pallet is foiled with stretch foil, labels are placed and additionally reinforced with strapping tape.

Labeling

Each packaging has a label with lot number, provided by the client, in accordance with the Regulation (EU) № 1169/2011.

3. Storage and transportation

Storage is carried out at a room temperature max. 15°C; humidity max. 65%. Without the passage of direct sunlight.

The transport is carried out with vehicles specially designed for the transport of food products. Storage and transport comply with the requirements of Regulation № 852/2004.

4. Expiry date

The expiry date is 12 months from the production date.

- Certification
- ✓ Kosher
- ✓ BRC
- ✓ BSCI Social SMETA
- ✓ Allergen free confirmation
- ✓ Food additive free confirmation
- ✓ GMO and GMO derivatives free confirmation