



1. General information

Object: pine nut kernels
Country of origin: Russian Federation
Count size: 950
Crop: 2018
Production date: 14.04.2019
Best before date: 14.04.2020
Botanical name: Pinus Sibirica

Raw materials were harvested in The Republic of Buryatia, Tomsk Oblast and the Republic of Khakassia. Shelled pine nuts kernels were packed in special vacuum bags. These bags are stored in boxes on the stock. Warehouse temperature + 5 – + 7 C° enables to save all useful properties and taste of this product. Product taste is slightly sweet and delicious. Product color is from ivory yellow to dark brown. Product smell is typical for pine nuts kernels, without foreign smell. The packed pine nuts kernels are intact, whole, dry and clean. The bags of pine nuts kernels don't/mustn't contain any foreign particles like dirt, insects etc. Pine nuts kernels are edible and suitable for processing for human consumption.

2. Product parameters

Microbiological parameters			
<i>Parameter</i>	<i>Specification</i>	<i>Actual results</i>	<i>Test methods</i>
Pathogenic, including salmonella, 25 g	Not allowed	Not detected	GOST 31659-2012
Coliforms, 1.0g	0.01	Not detected	GOST 31747-2012
E. Coli, 1.0 g	1.0	Not detected	GOST 30726-2001
Total flora, CFU/g, 1.0 g	Max 1×10^5	8.7×10^4	GOST 10444.15-94
Mold, CFU/g	Max 1.5×10^3	1.5×10^3	GOST 10444.12-2013



Organoleptic parameters			
<i>Parameter</i>	<i>Specification</i>	<i>Actual results</i>	<i>Test methods</i>
Seeds color	Ivory (light, almost white)	Ivory (light, almost white)	GOST 31852-2012
Odour and taste	Typical for pine nut kernels, without foreign taste and odours	Typical for pine nut kernels, without foreign taste and odours	GOST 31852-2012

Physical chemical parameters			
<i>Parameter</i>	<i>Specification</i>	<i>Actual results</i>	<i>Test methods</i>
Moisture, %	Max 3.5	2.4	GOST 31852-2012
Mass fraction of spoilt kernels, %	Not allowed	Not detected	GOST 31852-2012
Mass fraction of foreign matter, %	Max 1.0	0.0	GOST 31852-2012
Mass fraction of dried kernel, %	Max 3	0.2	GOST 31852-2012
Content of kernels of other type, %	Not allowed	Not detected	GOST 31852-2012
Mass fraction of broken shelled kernels, %	Max 3.0	1.4	GOST 31852-2012
Mass fraction of metal impurities, %	Not allowed	Not detected	GOST 15113.2-77
Mass fraction of rotten and mouldy, %	Max 0.4	0.0	GOST 15113.2-77

Safety parameters			
<i>Parameters</i>	<i>Specification</i>	<i>Actual results</i>	<i>Test methods</i>
Lead (Pb.), Mg/kg	Max 0.1	Less than 0.01	GOST 30178-96
Cadmium (Cd), Mg/kg	Max 0.1	0.04	GOST 30178-96
Arsenic (As), Mg/kg	Max 0.3	Less than 0.01	GOST R 51766-2001



Mercury (Hg), mg/kg	Max 0.05	Less than 0.005	GOST R 53183-2008
Hexachlorocyclohexane (a, β, γ – isomers content by GLC), Mg/kg	Max 0.05	Less than 0.001	GOST 30349-96
DDT content by GLC, Mg/kg	Max 0.01	Less than 0.007	GOST 30349-96
Cesium isotope activity (Cs-137), Bq/kg	Max 200	8.8	GOST 32161-2013
Strontium isotope activity (Sr-90), Bq/kg	Max 100	Less than 1.4	GOST 32163-2013
Total aflatoxins, Mg/kg	Max 0.004	Less than 0.003	GOST 31653-2012

3. Other product information

- GMO free
- The product is certified according to domestic Russian standard GOST 31852-2012 (ISO 6756:1984), TR CU 021/2011 («on the Safety of Food Products») and meets the requirements of international standards like BRC, HACCP etc.
- Production date 02/11/2018, Expiration date 02/11/2019
- We recommend to use refrigeration truck for product transportation in order to save product in good condition

4. Business conditions

Packaging: 0.5 kg vacuum bag.

One box contains 14 vacuum bags. Net Weight of the box is 7 KG.

One pallet is 504 KG.