

<i>Аскания-Пак</i>	Responsible for updating	Specification for pure honey packed in drums 2001	Version № 1
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APPROVED
Deputy of director of Quality

_____ Smeretskaya S.

1. Description, scope of application.

Pure honey, flowers.

- polyflora,
- monofloral – sunflower.

Honey packed in drums (2001), prepared for export.

2. Name and designation of normative documents, in accordance they are made with.

Accord. to ДСТУ 4497:2005 «Pure Honey. Specifications», COUNCIL DIRECTIVE 2001/110/EC of 20 December 2001 relating to honey.

3. Ingredients, by advantage components, including food additives (their content in percentages).

Pure natural honey – 100% without additives.

4. Food (nutritious) value and caloric content.

Food (nutritious) value 100gr of product: proteins – 0,8gr; carbohydrates – 74,8gr;
vitamins (mg): B₁ – 0,01, B₂ - 0,03, PP - 0,2, C - 2,0.

Energy value (calories) per 100 g of product: 1314 кДж (314 ккал).

5. Organoleptic characteristics

No.	Index Description	Specification		Control Method
		Polyflora	Monofloral (Sunflower)	
1.	Color	From light yellow to dark yellow	From light amber to amber	ДСТУ 4497:2005
2.	Taste	Sweet, gentle, pleasant, tart, without foreign tastes	Sweet, gentle, pleasant, tart flavor, without foreign tastes	
3.	Aroma	Specific, pleasant, gentle, without foreign odors		
4.	Consistency	Liquid, viscous, highly viscous, dense		
5.	Crystallization	From fine to coarse		
6.	Signs of fermentation	Not allowed		
7.	Mechanical inclusions	Not allowed		

Note 1:

- ✓ Mechanical inclusions are visible natural unwanted impurities (dead bees and their parts, the larvae of bees, honeycomb pieces) and visible extraneous (ash, dust, resin, hair, plant fiber, etc.). If the honey is natural unwanted impurities, the product must be cleaned. In the case of contamination adulteration honey is disposed.
- ✓ Signs of fermentation is considered active foaming on the surface or in the mass, gas emission, the presence of a specific odor and taste.

6. Physico-Chemical Parameters

No.	Index Description	Standard	Control Method
1	Mass fraction of water (moisture), %, no more	18,5	ДСТУ 4497:2005
2	Mass fraction of reducing sugars (fructose and glucose total) (anhydrous substance), %, no less	70,0	
3	Mass fraction of sucrose (anhydrous substance), %, no more	5,0	
4	Diastase activity (Schade scale), no less	10,0	
5	Hydroxymethylfurfural content (HMF), mg/1kg, no more	10,0	
6	Acidity, Mlechin sodium hydroxide (0.1 mol/dm ³) per 1kg,	50,0	

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	no more		
7	Electrical conductivity, mS/cm	≤ 0,8	

7. Safety indicators

No.	Index Description	Standard	Control Method*
Toxic elements content, mg/kg, not more:			
1.	Mercury, mass fraction	0,005	ГОСТ 26930-86
2.	Cadmium, mass fraction	0,005	МББ № 77-12-97
3.	Plumbum, mass fraction	0,01	МББ 081/12-4628-00
The pesticide content (dry basis), mg/kg, not more:			
Organochlorine pesticides PCBs			МББ 081/12-0247-05
1.	Dichlorodiphenyl trichloromethylmethane and its isomers	0,005	
2.	Hexachlorocyclohexane and its isomers	0,005	
The veterinary drug residues content (dry matter), not more than:			
1.	Tetracycline, µg/kg	5,0	LC-MS/MS
2.	Streptomycin, µg/kg	5,0	LC-MS/MS
3.	Chloramphenicol, µg/kg	0,1	LC-MS/MS
4.	Nitrofurans (AOP, AMOS), µg/kg	0,5	LC-MS/MS
5.	Metronidazol, µg/kg	0,5	LC-MS/MS
6.	Sulfonamides, µg/kg	5	LC-MS/MS
7.	Fluoroquinolones	5	LC-MS/MS
8.	Makrolides	5	LC-MS/MS
9.	Tylosine	2	LC-MS/MS
The radionuclides content, Bq/kg, no more than:			
1.	Cs-137, mass fraction	100	MP dtd 15.10.93
2.	Sr-90, mass fraction	20	MI dtd 12.08.99

* — allowed to use other methods of control, agreed with International Honey Commission including.

8. GMO Status

The product shall not contain GMO.

9. The presence of components that have been exposed to radiation

The product should not contain such components.

10. Shelf life and storage conditions

The shelf life is 2 years from the date of production.

Storage conditions are at a temperature not exceeding 25°C, in an area protected from direct sunlight. Not allowed to store honey together with poisons and products that provide honey uncharacteristic smell.

11. Type of packaging

11.1 Unit packing:

Metal drum (200l) with internal protective lacquer coating allowed for contact with food.

11.2 Two kind of pallets for storage/transportation

- 1) Each pallet (1200x800) contains 2 drums (200l)
- 2) Each pallet (1200x1200) contains 4 drums (200l)

12. Marking

- Each drum contains a label (58mm x 80mm) with the necessary information:

Goods Description: Pure Honey
Type: Monofloral (Sunflower)/Polyfloral.
Country of Origin: Ukraine.

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Manufacturer: "Askania-Pack" LLC, Boryspilske shosse str., 41-B, Kiev, Ukraine, 02121.

Exporter: _____

Importer: _____

Net Weight: _____kg.

Gross Weight: _____kg.

Lot No.: _____

Manufacture Date: _____

Crop year: _____

13. Consumer groups

For all population groups for use in the diet (except for persons with hypersensitivity to pollen).

14. Method of use

The product is ready for use, no additional requires for processing.

15. Known and potential cases of using this product not on purpose

Not currently known.

16. Additional information

Additionally, by agreement with the customer, can be set different requirements than specified in this specification. They should be specified in the Contract of supply.

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Appendix A

List of updating of this document

№	Revision date	The relevance check up /Description of changes	Full name
1			
2			