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CERTIFICATE OF QUALITY
№22/05 from 22.05.2018

ACEITE VEGETAL SEMILLAS CALABAZA. INGERIBLE. PRIMERA PRENSADA EN FRÍO.

Name of product: Pumpkin seed oil (edible oil, cold pressed) aceite esencial semillas calabaza prensadas en frío.

Назва: Гарбузова олія (харчова олія, холодного віджиму) INCI name: Cucurbita pepo seed oil

Raw material: Pumpkin seeds

Country of origin: Ukraine

Production: cold pressed

Regulatory of document: TU U 10.4-41871114-001:2018

Batch number: 220518

Production date: 22.05.2018

| Indicators test | Requirements | Test data | Result |
|--|--|--|-------------|
| Transparency | Transparent liquid without sediment | Transparent liquid without sediment | Corresponds |
| Smell and taste | Smell and taste typical of pumpkin seed oil, without outside odor, flavor and bitterness | Smell and taste typical of pumpkin seed oil, without outside odor, flavor and bitterness | Corresponds |
| Color | Light yellow to greenish-brown liquid, various concentration | Greenish-brown | Corresponds |
| Moisture and volatile matter % | Not more than 0,2 | 0,06 | Corresponds |
| Acid number, mg KOH/1g | Not more than 8,0 | 1,8 | Corresponds |
| Peroxide number, ½ O mg/kg | Not more than 10,0 | 3,2 | Corresponds |
| Mass fraction of phosphorus-containing substances, % In terms of stearoleletsytyn | Not more than 0,4 | 0,02 | Corresponds |
| Mass fraction of fat-free lean impurities, % | Not more than 0,10 | 0,04 | Corresponds |
| The degree of transparency, FEM | Not more than 40 | 16 | Corresponds |
| Anisidine number of conventional units | Not more than 5,0 | 1,4 | Corresponds |
| Flash point, C | Not more than 225 | meets | Corresponds |
| Mass fraction of heavy metals and pesticides: | | | |
| - Lead, mg/kg | Not more than 0,1 | 0,003 | Corresponds |
| - Cadmium, mg/kg | Not more than 0,05 | 0,002 | Corresponds |

| | | | |
|---------------------------------|--------------------|-------|-------------|
| - Arsenic, mg/kg | Not more than 0,1 | 0,004 | Corresponds |
| - Mercury, mg/kg | Not more than 0,05 | 0,005 | Corresponds |
| - Copper, mg/kg | Not more than 0,5 | 0,01 | Corresponds |
| - Zinc, mg/kg | Not more than 5,0 | 1,1 | Corresponds |
| - Iron mg/kg | Not more than 5,0 | 2,0 | Corresponds |
| - HHTSK gamma isomer mg/kg | Not more than 0,05 | 0,03 | Corresponds |
| - Heptachlor mg/kg | Not allowed | no | Corresponds |
| - DDT and its metabolites mg/kg | Not more than 0,1 | 0,002 | Corresponds |

Conclusion: the sample "Pumpkin seed oil" series 220518 meets the requirement TU U 10.4-41871114-001:2018 on these indicators. The radionuclide content does not exceed the DR 2006



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