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| Improvement of Food Safety Standards along the  Albanian Supply Chains of Typical Local Products  **Tender for the supply of equipment and technical furnishings for the AKU - National Food Authority laboratories of Skutari, Fier, Gijrokaster and Tirana.**  **LOT 4 – Laboratory equipment**  **TECHNICAL OFFER** |

| **N. item** | **Quantity** | **Description and minimum technical specifications required** | **Insert Brand, model, product code (including accessories codes) and for corresponding points the technical specifications of offered item** |
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| **1** | 4 | **Benchtop pH-meter.**   1. Color digital display. 2. Measurement of pH and mV, with temperature display. 3. Automatic temperature compensation. 4. pH resolution at least 0.01 pH unit 5. pH measuring range at least from 1 to 14. 6. pH electrode with built-in temperature sensor. 7. Automatic pH calibration with buffers up to 3 points. 8. Supplied with electrode holder stand, 3 buffer solutions for calibration, electrode storage solution, power supply and manual. 9. Power supply: 220 V.   **To be delivered and installed at the Skutari, Fier, Gijrokaster, and Tirana laboratories.** |  |
| **2** | 4 | **Benchtop conductivity-meter.**   1. Color digital display. 2. Measurement of conductivity and TDS, with temperature display. 3. Conductivity measuring range at least from 0.1 μS/cm to 100 mS/cm. 4. Resolution at least 0,1 μS. 5. Selectable reference temperature. 6. Automatic conductivity calibration up to 3 points. 7. Automatic temperature compensation. 8. Sensor Cell with built-in temperature sensor. 9. Supplied with electrode holder stand, 3 standard solutions for calibration, power supply and manual. 10. Power supply: 220 V.   **To be delivered and installed at the Skutari, Fier, Gijrokaster, and Tirana laboratories.** |  |
| **3** | 3 | **Digital magnetic stirrer with heating plate.**   1. Digital display with indication of temperature. 2. Heating Temperature Range at least from ambient to 300 ° C. 3. Stirring speed at least up to 1000 rpm. 4. Stirring quantity at least up to 8 liters. 5. Supplied with external temperature probe. 6. Power supply: 220 V.   **To be delivered and installed at the Skutari, Fier and Gijrokaster laboratories.** |  |
| **4** | 2 | **Laboratory incubator.**   1. Internal capacity not less than 100 liters 2. Digital display 3. Working range: at least from + 5 °C T-ambient ... +70°C 4. Operative mode both by digital timer (up to 96 hours) and continuous operation 5. At least 4 storable programs 6. Simultaneous display of all operating parameters 7. Visual and audible alarms 8. Supplied with 3 steel grid shelves 9. Power supply: 220 V.   **To be delivered and installed at the Skutari and Gijrokaster laboratories.** |  |
| **5** | 3 | **Digital Refractometer.**   1. Digital display 2. Simultaneous display of °Brix, temperature and refractive index. 3. Measuring range from 0,0 to 95,0 °Brix. 4. Automatic temperature compensation. 5. Self-calibrating with distilled water. 6. Supplied with power supply (220 V) and manual.   **To be delivered and installed at the Skutari, Fier and Gijrokaster laboratories.** |  |
| **6** | 2 | **Forced air oven.**   1. Internal capacity not less than 100 liters. 2. Digital display. 3. Temperature working range at least from + 10 °C T-ambient to +250°C. 4. Fan adjustable. 5. Simultaneous display of all operating parameters. 6. Visual and audible alarms. 7. Operative mode both by digital timer (up to 96 hours) and continuous operation. 8. Supplied with at least 3 steel grid shelves. 9. Power supply: 220 V.   **To be delivered and installed at the Gijrokaster and Tirana laboratories.** |  |
| **7** | 3 | **Ventilated benchtop centrifuge.**   1. Speed at least up to 6000 rpm. 2. Automatic rotor detection. 3. LCD display. 4. Display of all centrifugation parameters. 5. Programmable speed from 500 rpm with step at least of 50 rpm. 6. Imbalance detection system with automatic functioning stop 7. Acceleration and deceleration adjustable. 8. Centrifuge chamber made of steel-inox. 9. Supplied with fixed angle rotors for 50 ml and 15 ml tubes including buckets for all the position. 10. Power supply: 220 V.   **To be delivered and installed at the Skutari, Fier and Gijrokaster laboratories.** |  |
| **8** | 1 | **Laboratory heating water bath.**   1. Internal capacity not less than 20 liters. 2. Digital display. 3. Temperature working range at least from + 5 °C T-ambient to +90 °C. 4. Operative mode both by digital timer (up to 96 hours) and continuous operation. 5. Supplied with lid and drilled bottom plate(removable). 6. Internal tank and drilled bottom plate made of stainless steel. 7. Pipe for the drainage. 8. Power supply: 220 V.   **To be delivered and installed at the Fier laboratory.** |  |
| **9** | 2 | **Precision balance.**   1. Digital display. 2. Automatic internal calibration. 3. Weighing capacity at least 700 g. 4. Readability 0.001 g 5. Dimensions weighing surface (Ø) at least 10 cm. 6. Power supply: 220 V.   **To be delivered and installed at the Fier and Gijrokaster laboratories.** |  |
| **10** | 1 | **Cryoscope for determining the freezing point of milk.**   1. Single sample capacity. 2. Supplied with two (2) calibration standard (-408 m°C and -600 m°C), one (1) control standard and at least 10 sample Tube- Glass. 3. Power supply: 220 V.   **To be delivered and installed at the Fier laboratory** |  |
| **12 months Full Guarantee** | | | *[specify the period of full guarantee]* |
| **Assistance center in Albania able to supply technical assistance for at least 2 years after the period of guarantee** | | | *[ insert contact details of assistance center]* |

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Company stamp, Name and Surname, signature of the Legal Representative or attorney