|  |
| --- |
| 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 3 –Systems for analysis of Kjeldahl nitrogen (TKN), proteins and ammoniacal nitrogen**  **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** |
| --- | --- | --- | --- |
| **1** | 3 | **Distillation Unit for analysis of Kjeldahl nitrogen (TKN**), proteins, ammoniacal nitrogen, nitric nitrogen (Devarda), TVBN, sulfites, phenols, volatile acids, cyanides, and alcohol content, with the following minimum specifications.   1. Digital display 2. Rapid pre-heating time 3. Programmable sodium hydroxide addition 4. Selectable Distillation Time 5. Analysis time no longer than 5 minutes for 100 ml of distillate 6. High-precision pump ensuring constant accurate dosing of the reagent 7. Intuitive interface for easy analysis settings 8. Works with deionized water for steam generation 9. Reduced water consumption 10. Structure made of corrosion-resistant techno polymer 11. Power supply: 220 V.   **To be delivered and installed at the Skutari, Fier, and Gijrokaster laboratories.** |  |
| **2** | 3 | **Digestion unit for analysis of Kjeldahl nitrogen (TKN) and proteins**   1. Aluminum heating block with at least 6 position for 250 ml tubes 2. High thermal homogeneity heating up to 450 °C 3. Adjustable temperature with display visualization 4. Temperature of the block constantly controlled by a microprocessor 5. Structure made of stainless steel with strong resistance to chemicals and mechanical stress 6. Equipped with support, suction cap and drip tray, sample rack and stand for rack 7. Supplied with at least 12 tubes (250 ml) 8. Power supply: 220 V.   **To be delivered and installed at the Skutari, Fier, and Gijrokaster laboratories.** |  |
| **3** | 3 | **Scrubber to neutralize toxic fumes** produced during mineralization and safeguard lab operators   1. At least 3 adjustable suction power levels 2. No connection required to tap water 3. Connection tubes made of VITON 4. Holder for activated carbon filter to absorb odors produced during mineralization process 5. At least 10 refill of activated carbon 6. Power supply: 220 V.   **To be delivered and installed at the Skutari, Fier, and Gijrokaster laboratories.** |  |
| **4** | 4 | **Illuminated Magnetic Stirrer**   1. Illuminated surface for visualization of particles and color changes 2. Variable speed 3. Speed electronic control 4. Power supply: 220 V.   **To be delivered and installed at the Skutari, Fier, Gijrokaster, and Tirana laboratories** |  |
| **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]* |

\_\_\_\_\_\_/\_\_\_\_\_\_\_/2025

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