**ANNEX NO. 4b OF DOCUMENTATION OF THE PROCUREMENT PROCEDURE**

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**SPECIFICATION OF THE PUBLIC CONTRACT SUBJECT for lot 2 of the public contract**

The subject of the public contract shall meet the following requirements for technical parameters and equipment:

|  |  |  |
| --- | --- | --- |
| **Technical specification**­­ **­– RESIDUAL GAS MASS SPECTROMETER** | | |
| **Designation of the delivery (min. brand and type)** | |  |
| **Individual technical parameters of the performance** | | **Data about the offered performance** |
| 1 | Quadrupole mass spectrometer equipped with control and display unit. electronics |  |
| 2 | Allow to detect any volatile products of chemical reactions in the analysis compartment |  |
| 3 | Mass detection range 1 - 200 AMU | ***and will enter the actual value*** |
| 4 | Detection limit <5.10-13 mbar | ***and will enter the actual value*** |
| 5 | Must be mountable and compatible with EnviroESCA system (it must fit into the EnviroESCA box, which can be verified upon personal inspection) | ***and will enter the actual value*** |
| 6 | Should be mounted on Lens 2 segment of the electron analyzer PHOIBOS 150 NAP 1D-DLD. The connection flange is a DN40CF |  |
| 7 | Allow to be connected to a computer |  |
| 8 | Software for recording, saving and displaying measured data compatible with Windows 11 & 10 |  |
| 9 | Software must be fully integrated in the SPECSlab software, currently used with the apparatus |  |