# *ANNEX II + III:* TECHNICAL SPECIFICATIONS + TECHNICAL OFFER

**Contract title: Supply of consumables for the purposes of the scientific laboratories of the BLUE GROWTH Research Centre at “Prof. D-r Asen Zlatarov” University of Burgas  
Lot 2: Supply of consumables for the Aquaculture and Biotechnology Lab p 1 /…**

**Publication reference:** CB005.3.12.001 - LP - Supply 13

**Columns 1-2 should be completed by the contracting authority**

**Columns 3-4 should be completed by the tenderer**

**Column 5 is reserved for the evaluation committee**

Annex III - the contractor's technical offer

The tenderers are requested to complete the template on the next pages:

* Column 2 is completed by the contracting authority shows the required specifications (not to be modified by the tenderer),
* Column 3 is to be filled in by the tenderer and must detail what is offered (for example the words ‘compliant’ or ‘yes’ are not sufficient)
* Column 4 allows the tenderer to make comments on its proposed supply and to make eventual references to the documentation

The eventual documentation supplied should clearly indicate (highlight, mark) the models offered and the options included, if any, so that the evaluators can see the exact configuration. Offers that do not permit to identify precisely the models and the specifications may be rejected by the evaluation committee.

The offer must be clear enough to allow the evaluators to make an easy comparison between the requested specifications and the offeredspecifications.

| **1.**  **Item number** | **2.**  **Specifications required** | **3.**  **Specifications offered** | **4.**  **Notes, remarks,  ref to documentation** | **5.**  **Evaluation committee’s notes** |
| --- | --- | --- | --- | --- |
| **Consumables for thermal analysis of biologically active substances in terms of purity, thermal resistance and process of ageing - Thermal analyser** | | | | |
| **1** | **Sensor / holder socket TG-DSC and TG-DTA –** 1 unit |  |  |  |
| **2** | **Crucible for TG-DSC– 2 units**  Platinum crucible with lid, 0 6.8 mm, volume 85 pl |  |  |  |
| **3** | **Crucible for TG-DSC – 2 units**  Al2O3 crucible with lid, 0 6.8 mm, volume 85 pl |  |  |  |
| **4** | **Crucible for TG-DTA – 1 unit**  Crucible Al203 99.7, volume 0.3 ml, package, 100pcs. |  |  |  |
| **5** | **TG-DSC holder / sensor without protection and without crucibles – 1 unit.**  holder / sensor for TG-DSC and Wed analysis in the range 25 ... 1500 ° C / 1650 ° C and 1500 ° C (Cp), thermocouple type S |  |  |  |
| **6** | **TG-DTA holder / sensor without protection and without crucibles – 1 unit**  holder / sensor for TG-DTA analysis in the range 25 ... 1650 ° C, thermocouple type S |  |  |  |
| **Standards thermal analysis** | | | | |
| **7** | **Set of standard materials for temperature and enthalpy calibration in the range 25 ... 1500 ° C with Al2O3 crucibles – 1 unit**  Includes 8 materials (Indium, Tin, Bismuth, Zinc, Aluminum, Silver, Gold, Nickel) 400 mg each. |  |  |  |
| **8** | **Standard materials for temperature and enthalpy calibration with Pt / Rh crucibles – 1 unit**  Benzoic acid, 500 mg, theoretical phase transition temperature 122.4 ° C |  |  |  |
| **9** | **Standard materials for temperature and enthalpy calibration with Pt / Rh crucibles – 1 unit**  Cesium chloride, 500 mg, theoretical phase transition temperature 476 ° C |  |  |  |
| **10** | **Standard materials for temperature and enthalpy calibration with Pt / Rh crucibles – 1 unit**  Barium carbonate, 500 mg, theoretical phase transition temperature 808 ° C |  |  |  |
| **11** | **Standard materials for temperature and enthalpy calibration with Pt / Rh crucibles – 1 unit**  Silver sulfate, 500 mg, theoretical phase transition temperature 426.4 ° C |  |  |  |
| **12** | **Standard material for medium calibration, for Pt / Rh crucibles – 1 unit**  Set of standard sapphire samples, disks with 0 6 mm, thickness 0.25, 0.5, 075 and 1.00 mm |  |  |  |
| **Software Proteus basic upgrade – 1 unit** | | | | |
| **13** | **Software upgrade Proteus basic from version 5.х to version 8.х for measurements and analysis.**  **Proteus basic supports files and measurement**  **methods. Includes extensions: ср**  **measurements, TG Auto-Evaluation, DSC**  **Auto-Evaluation. Delivery on DVD-ROM and**  **unlock USB stick and PC with suitable**  **configuration** |  |  |  |