**ORDER DESCRIPTION**

1. **Object of the contract**

The subject of the order is the supply of organometallic compounds in specialized containers (bubbler), listed below by name and quantity needed:

1. Trimethylaluminium (TMAl OEG) **380g bubblers with a cross flush valve 2 pieces**

2. Trimethylgallium (TMGa OEG) **1000g 2 pieces**

3. Trimethylindium (TMIn OEG) **2 connected in series bubblers each weighing 200g 2 pieces**

1. **The scope of the subject of the contract**

A detailed description of the subject of the contract is provided in section 5 of this document. The offer should also include packaging and freight costs suitable for organometallic compounds and specialized containers.

1. **Criterion**

Offers will be evaluated according to a point scale with a maximum number of points of 100.

|  |  |  |
| --- | --- | --- |
| Criterion | Maximum number of points S | Method of awarding points |
| Price (P) | 100 | S x Pmin/Pi |

Where:

* Pi – price of goods with delivery - for the given offer
* Pmin - the minimum delivery price for the ordered goods from all offers submitted
* S – number of points

The final score will be calculated by adding up the partial components and then rounded to two decimal places. (rounded from "5" up)

1. **Deadline for completing the order**

Up to 8 weeks from the date of order.

1. **Parameters**

|  |  |  |
| --- | --- | --- |
| Product name | Parametrer | Specification |
| **first part of the order** |  |  |
| Trimethylaluminium TMAl | OPTO ELECTRONIC-GRADE |  |
| Metal purity:  | * ALUMINIUM (unit: %):
	+ Specification > 99,9999
* Oxygen (unit:PPM, NMR)
	+ LOD (limit of detection) <0,5
	+ Specification < 1
 |
| Metal impurities (ICP) (unit: PPM):Antimony (Sb), Arsenic (As), Bismuth (Bi), Chromium (Cr), Copper (Cu), Gallium (Ga), Germanium (Ge), Indium (In), Iron (Fe), Lead (Pb), Magnesium (Mg), Manganese (Mn), Selenium (Se), Phosphorous (P), Silicon (Si), Sulfur (S), Tellurium (Te), Tin (Sn), Zinc (Zn)  | * Specification < 0,1
* LOD (limit of detection) 0,01
 |
| Metal impurities:Cadmium (Cd), Mercury (Hg) | * Specification < 0,01
* LOD (limit of detection) 0,001
 |
| **Second part of the order** |  |  |
| Trimethylgallium TMGa | OPTO ELECTRONIC-GRADE |  |
| Metal purity:  | * Gallium (unit: %):
	+ Specification > 99,9999
* Oxygen (unit:PPM, NMR)
	+ LOD (limit of detection) <0,5
	+ Specification < 1
 |
| Metal impurities (ICP) (unit: PPM): Aluminium (Al), Antimony (Sb), Arsenic (As), Bismuth (Bi), Chromium (Cr), Copper (Cu), Germanium (Ge), Indium (In), Iron (Fe), Lead (Pb), Magnesium (Mg), Manganese (Mn), Selenium (Se), Phosphorous (P), Silicon (Si), Sulfur (S), Tellurium (Te), Tin (Sn), Zinc (Zn) | * Specification < 0,1
* LOD (limit of detection) 0,01
 |
| Metal impurities:Cadmium (Cd), Mercury (Hg) | * Specification < 0,01
* LOD (limit of detection) 0,001
 |
| Bubbler | * With cross purge valve
 |
| **third part of the order**  |  |  |
| Trimethylindium TMIn | OPTO ELECTRONIC-GRADE |  |
| Metal purity: | * Indium (unit: %):
	+ Specification > 99,9999
* Oxygen (unit:PPM, NMR)
	+ Specification < 1
 |
| Metal impurities (ICP) (unit: PPM): Aluminium (Al), Antimony (Sb), Arsenic (As), Bismuth (Bi), Chromium (Cr), Copper (Cu), Gallium (Ga), Germanium (Ge), Iron (Fe), Lead (Pb), Magnesium (Mg), Manganese (Mn), Selenium (Se), Phosphorous (P), Silicon (Si), Sulfur (S), Tellurium (Te), Tin (Sn), Zinc (Zn) | * Specification < 0,1
 |
| Metal impurities:Cadmium (Cd), Mercury (Hg) | * Specification < 0,01
 |
| bubbler | * the dual reverse flow configuration (the serial connection of two “purge valve” bubblers)
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