**Att. No. 1**

**ORDER DESCRIPTION**

1. **Object of the contract**

The subject of the order is the supply of semiconductors wafers listed below by name and quantity needed:

1. Arsine (AsH3) 2 cylinders, 27 kg each
2. Phosphine (PH3) 2 cylinders, 22 kg each
3. **Parameters**

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| Product name | Parameter | Specification |
| Arsine (AsH3) | Grade: | ≥ 99.99995% |
| Valve Connection | Din 1 or Diss 632 Pneumatic  |
| Impurities: Cadmium (Cd), Calcium (Ca), Chromium (Cr), Cobalt (Co), Copper (Cu), Gallium (Ga), Germanium (Ge), Lead (Pb), Magnesium (Mg), Molybdenum (Mo), Nickel (Ni), Silicon (Si), Sodium (Na), Tin (Sn), Zinc (Zn),  | ≤10 ppbw |
| Impurities: Germane (GeH4), Silane (SiH4)  | ≤50 ppbv |
| Impurities: Carbon Dioxide (CO2), Oxygen (O2) | ≤ 25 ppbv |
| Impurities: Carbon Monoxide (CO), Carbonyl Sulfide (COS), Hydrogen Sulfide (H2S), Nitrogen (N2), Argon (Ar) | ≤50 ppbv |
| Impurities: Ethane (C2H6), Methane (CH4), Water (H2O),  | ≤100 ppbv |

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| Product name | Parameter | Specification |
| Phosphine (PH3) | Grade: | ≥99.9999% |
| Valve Connection | DIN 1 or Diss 632 Pneumatic |
| Impurities: Carbon Dioxide (CO2) | ≤ 0,05 ppmv |
| Impurities: Water (H2O),  | ≤ 0,14 ppmv |
| Impurities: Arsine (AsH3), Carbon Monoxide (CO), Ethane (C2H6), Ethylene (C2H4), Methane (CH4), Oxygen (O2), Argon (Ar) | ≤ 0,1 ppmv |
| Impurities: Hydrogen (H2) | ≤5 ppmv |
| Impurities: Nitrogen (N2) | ≤ 0.12 ppmv |