**ALLEGATO 1 – TABLE OF SPECIFICATIONS**

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| **Exhaust Raw sampling conditions** | | |
| Sample inlet pressure upper limit | |  |
| Sample handling max temperature [°C] | |  |
| **Primary diluter** | | |
| Particle Concentration Reduction Factor (PCRF) range (average PCRF at 30, 50 and 100 nm) |  | |
| Primary PCRF |  | |
| Heating of sample/dilution air |  | |
| Flow Reynolds number (Re) in PTS |  | |
| Residence time in the PTS |  | |
| Internal diameter |  | |
| **Catalytic stripper** | | |
| Heating of sample |  | |
| Volatile removal efficiency |  | |
| Sulfur storage capacity |  | |
| **Dilution system** | | |
| Ratio of PCRF of 15 nm to PCRF of 100 nm |  | |
| Ratio of PCRF of 30 nm to PCRF of 100 nm |  | |
| Ratio of PCRF of 50 nm to PCRF of 100 nm |  | |
| Background (HEPA filter at the inlet of the system and total dilution 100) |  | |
| **Particle Number Counter (10nm)** | | |
| Sample flow rate (continuous, no splitting in the counter) |  | |
| Counting accuracy |  | |
| Response |  | |
| Readability |  | |
| Data reporting frequency |  | |
| T90 response time |  | |
| Lower particle size efficiencies |  | |
| Indicator of drift |  | |
| **Software** | | |
| Control the diluters, the temperatures (e.g. catalytic stripper) and the particle counter (e.g. pump) | Y/N | |
| Data file include date, time of the measurement, the PCRF of the first diluter, the PCRF of the second diluter, the temperature of the evaporation tube and/or catalytic stripper, the total PCRF of the system and the PNC concentration. | Y/N | |
| Automatic check of the leakages | Y/N | |

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