

Compliance Certificate

Assessment of the presence of potential toxic components in the emissions of a **Bandit 240 system** in accordance with ISO 16000-1:2004 and BS EN 50131-8:2009:

- Real-live test for normal operational conditions of the system filled with a Bandit HY-3 liquid in a closed non-ventilated room (worst case scenario) of 77 m³ (set at 84 m³) for 15 min.
- Volatile organic compounds identified using ATD-GC-MS. (Automatic Thermal desorption - Gas Chromatography - Mass Spectrometry) on Tenax cartridges.
- Quantitative analysis using LC-DAD (Liquid Chromatography - Diode Array Detector) on DNPH-cartridges (Waters Sep-Pack).
- Verified by using the substances with LCI value (German AgBB) and verification based on visual inspection of the chromatogram

Conclusion:

- With an identification efficiency of 99% no substances were identified at a concentration level of toxic suspect.
- The concentrations measured in benzene and formaldehyde emissions are respectively 2.5 µg/m³ and 100-150 µg/m³, which is lower than the EPA guideline values set at the AEGL interim (Acute Exposure Guideline Levels) for acute and accidental exposure. (<http://www.epa.gov/oppt/aegl/pubs/humanhealth.htm>)



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VITO been appointed as the Flemish reference laboratory for environmental analysis and all measurements within the air, soil, water and waste.

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