



Many industrial processes result in the emission of polluting particles into the air. The industrial community has adopted measures to limit these emissions. In these efforts, the industrial sector can always benefit from process-specific advice. Furthermore, they and the government are always in need of reliable measurements. In order to meet these needs, Tauw offers a total concept in the area of air quality measurements.

Air quality measurements

- Extensive packet of accreditations
- Dioxin measurements
- Certification measurements & testing
- VCA certified (safety guideline)
- Consulting

Would you like to or are you required to perform air quality measurements? Then in consultation with you, we can draft a measurement plan which includes the measuring methods, the representativeness of the measurements and the duration and frequency of the measurements needed, among other things. We also ensure that the measurements are organised as optimally as possible.

Tauw offers an extensive range of measuring parameters, such as the continuous analysis of SO₂, NO_x, CO, CO₂, O₂ and total hydrocarbons. To accomplish this, Tauw uses completely equipped vans and a wide range of

portable measuring devices.

We also frequently perform sampling of particulate matter, heavy metals, volatile and semi-volatile organic compounds (VOCs), formaldehyde, inorganic components such as HCl, HF, HCN We analyse the samples ourselves in our accredited laboratory.

Tauw is an agency with a solid reputation in the performance of dioxin measurements. Sampling is a critical step in the determination of dioxin emissions in the air. Therefore, Tauw takes every precaution to avoid contamination in order to deliver a reliable and representative result.



Some companies are legally obliged to monitor continuously certain emissions. The government requires the submitted measurements to be correct and therefore requires these companies to have their permanently deployed measuring devices regularly tested. Tauw is authorized to perform these certification measurements for you (following EN 14181).

In addition, companies that perform their own emissions measurements can come to Tauw for the assessment of their internal control measurements.

Tauw has at its disposal the necessary measuring devices to perform continuous as well as intermittent emission measurements. We are able to measure continuously the parameters SO₂ and NO_x at the level of ppb. In addition, we are also able to make determinations of precipitating particulate matter, suspended particulate matter and fine particulate matter (PM₁₀ and PM_{2.5}).

Through its various accreditations and certifications, Tauw has shown that it can deliver the quality needed for these

tasks. We make the measurements and perform the analyses in conformity with established quality procedures and in accordance with national and international measuring methods. For these measurements and analyses, Tauw has earned an ISO 17025 certificate. Both the sampling and the analysis are certified within the framework of the Flemish, Brussels and Walloon region. In addition, all our measuring teams are VCA* certified, this is a safety standard for subcontractors.

All the measurements and analysis results are compiled in a report and evaluated against the current standards. If necessary or desired, we can provide advice regarding improvement measures.

On the basis of emissions data, the dispersion and deposition of specific compounds in the neighbourhood of an emissions source can be calculated. To do this, we use approved dispersion models. Furthermore, Tauw has extensive experience in calculating stack-heights.

Tauw Leuven
+ 32 16 35 28 10

Tauw Lokeren
+ 32 93 40 69 60

Tauw Gembloux
+ 32 81 20 72 00

info@tauw.be
www.tauw.be