Residual effluents analyses from the lacquering processes at SC ELBA SA Timisoara. Determination of emitted gaseous and solid pollutants' concentrations.

Goal of the project:
Determination of gaseous and solid pollutants from the lacquering process of the company.

Short description of the project:
The result of the research activity consists of an attested analysis technical bulletin, accomplished according Romanian legislation necessities. The quality of the report is given by the quality of the information it contains that is recorded in a data base by the instruments and a PC. For this reason, the precision of the experimental data is an important requirement. The accuracy of the report is based on this precision. The instruments used for measurements are: TESTA FID 123 analyzer 3180 GMH micro-manometer and TESTO 350XL analyzer.

TESTO 350XL analyzer

Project implemented by:
LaCIEDiN- Laboratory for Fuel Analyses, Ecological Investigations and Pollutant Dispersion

Implementation period:
December 2011- December 2012

Main activities:
Measurements in situ, data base generation, results processing, data interpretation and preparation of the analysis bulletin/report, quality control.

Results:
•CO, NOx, SO_2, O_2, CO_2, HC, concentrations from flue gases;
•VOC from gaseous effluent, indicated as TOC.

Fields of interest:
The LaCIEDiN-Laboratory acts according standard SR EN ISO/CEI 17025:2005 and it is RENAR accredited with certificate no. LI 787 from 22.06.2009.

Financed through/by:
SC ELBA SA, Timisoara

Research team:
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Research centre:
Research Centre for Thermal Machines and Equipments, Transportation and Environmental Pollution Control

Applicability and transferability of the results:
On customer request, the results reports are confidential.

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