Measurements regarding emissions resulted from working points of the unit in Deta

Goal of the project:
Determination of gaseous and solid pollutants resulted from production, in special points.

Short description of the project:
The product of the research activity for the client is the measurements on line & conceiving of an appropriate resulted analysis report. The quality of this report is given by the quality of the recorded information and accuracy of the used instruments, all having metrological control and working according standardized EU procedures. For this reason, the precision of the experimental data as being an important requirement is achieved. The accuracy of the report is based on indicated precision and errors. The instruments used for measurements are: TESTA FID 123, STROHLEIN STE4 analyzer and TESTO 350XL analyzer.

TESTA FID 123 analyzer

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

Implementation period:
April 2012- April 2013

Main activities:
Project steps: measurements in situ / phase, results processing, data interpretation and preparation of analysis bulletin/report.

Results:
•Particles concentrations;
•NO, NO_2 and NO_x concentrations;
•VOC concentrations from gaseous effluent; indicated as TOC (from emission).

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.

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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, results are confidential.

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