

Center for physical measurements - CFM

Rep. No: **LET 20070306/A**

Laboratory for ecology in toxicology - LET

Date: 1.10. 2007

## REPORT OF MEASUREMENTS

1. Client: **NEBULUS d.o.o., ZBILJSKA CESTA 4, 1215 MEDVODE**

2. Measured object: **Smoking cabin SMOKEPOINT on location Obrtna ul. 3, HORJUL**

3. Number and date of contract: **the confirmation of the offer 4.9.2007**

4. Purpose of the measurement: **the control measurements**

5. Date of measurement: **13.9. 2007**

6. Date of previous measurements:

7. Type of measurements: **ALVEOLAR DUST CONCENTRATION IN SPACE  
WITH SMOKING CABIN**

8. Sphere of activity: **/**

Measurements performed by:

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Report approved by the head of LET:

dr. B. PODKRAJŠEK, univ. dipl. kem.



## 1. TASK

Company Nebulus d.o.o., Medvode, instructed the control measurements of concentrations of chemical substances, which are a result of smoking in the cabin SmokePoint. Cabin of size 129.8 x 208.3 x 254cm, fitted with a system for cleaning the air filter HEPA H13 and charcoal adsorption aired material, is for the purpose of measurements installed in a room with a volume of 48.6 m<sup>3</sup> (4 x 4.5 x 2,7m). The room is free of artificial ventilation. During the two hour measurements from one to four smokers were present in the smoking cabin. The total number of smoked cigarettes was 32. The room was at the time of sampling not ventilated, except for a moment through the door on arrival or departure of smokers. In this report, we present the results of measurements of concentration of alveolar fractions of particulate matter, which we have measured in the area where the smoking cabin was installed.

## 2. PRINCIPLE OF THE MEASUREMENTS

A measured volume of air is drawn with pump Casella through a air-conditioned cellulose acetate membrane filter mounted in a sampler with the cyclones. Concentration of particulate matter is determined gravimetrically after working procedure DP-LET-25.

## 3. RESULTS OR THE MEASUREMENTS

**Alveolar concentration of dust** was, in the room with a volume of 48.6 m<sup>3</sup> in which smoking cabin SmokePoint was installed and operating for two hours, lower than the limit of quantitative determination method for volume of pumped air, that is **<0,04 mg/m<sup>3</sup> of air**.



Report reviewed by:

dr.Boštjan Podkrajšek, univ.dipl.kem.

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