

INSTITUTE OF NUCLEAR & RADIOLOGICAL SCIENCES & TECHNOLOGY, ENERGY AND SAFETY

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ANALYSIS REPORT

Date of issue: 12/10/2022

TO: EMFD Technologies Ltd

Test: OH-FEEL HYDROXYL AIR PROTECTION SYSTEM OH500F08 (KJ488FK08A)

Test method: EN 14625: 2012

Sampling performed by: Authorized AirTechLab staff

Date test run: 4/10/2022

Test description and Results

The measurement took place in an isolated area of 18 m², in ambient conditions. A calibrated Thermo Scientific (i49) automatic ozone analyzer (O₃) was used to perform the measurement.

The initial average ozone concentration inside the isolated test room was **9.7 ppb** (10:30 – 12:30). As shown in figure 1 after starting the purification system (OH-FEEL OH500F08) at 12:30 (maximum operating position) an increase of the ozone concentration was observed which was stabilized at an average concentration of **30.5 ppb** after 22 hours (Figure 1). When the system stopped, the O₃ concentration decreased to an average value of 17.7 ppb.

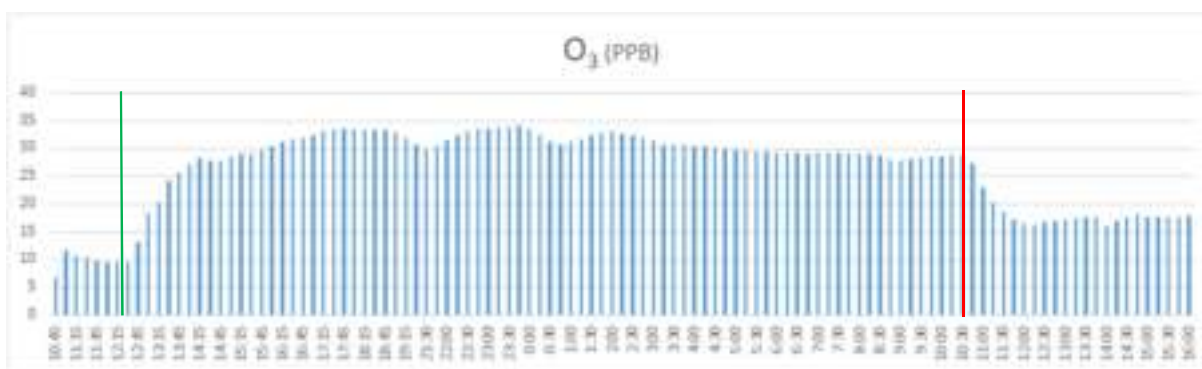


Figure 1. O₃ variation with and without purification system

Dr. T. Maggos

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Research Director NCSR "Demokritos"

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