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Light- ECG and Plasma Technologies**

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Measurement Protocol

Ladies and Gentlemen,

we have tested the specific device Air cleaner Radium RaLUX UV-C STAND 28W/254UV of the company Radium Lampenwerk GmbH according EN DIN 62471 and measured the following:

Effectiveness Check:

Date: On the 19.07.2021 in our Institute Test laboratory the following device, according DIN was tested for effectiveness.

Test conditions: At $T = 25^\circ \text{C}$ and 40 % Rel. Hum. in our certified Test laboratory of the LTI the air disinfection device Radium RaLUX UV-C STAND 28W/254UV by the company by the Radium Lampenwerk GmbH with $12 \text{ m}^3/\text{h}$ Air Disinfection with non-ozone generating UV lamps was measured.

Measuring: on National Reference Laboratory PTB traceable Test Standards and Spectrographs

Measurement Results:

With a radiation power of $P_{\text{uv}} = 12,2 \text{ W}$ UV-radiation at 254 nm and at an air flow of $12 \text{ m}^3/\text{h}$ at a Reference Power of $P_{\text{el}} = 28 \text{ W}$ electrical input power.

The measured device reduces with this UV-radiation the air the following germ load:

SARS-CoV-2:	> 99,99999 %
Bacteria's and Yeast:	> 99,9 %
Molds:	> 99 %

Best regards

Kling

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