



# TEST RESULTS REPORT

No. TRR.26/05

DATE: 2/10/2026

## TOTAL INDOOR AIR CHEMICAL MEASUREMENT REPORT

### DESCRIPTIONS

The test was conducted inside an insulated glass chamber under standard ambient temperature and pressure (SATP) conditions (25 °C, 1 atm). The under-test device was a **Z-series plasma disinfection device**.

- Chamber volume = 20 liter
- Device air flow = 250 lit/hr
- Air speed at the device outlet = 2.2 m/s

### FINAL RESULTS

Based on the measured results, the following specifications are certified.

	Gas	Mode	Value <sup>1</sup> mg/hr	Value <sup>2</sup> mg/m <sup>3</sup> ·hr	Level	Reference
1	Ozone / O <sub>3</sub>	Generation	19	950	MAX	TRR.26/01

<sup>1</sup> Mass Generation Rate (CADR)

<sup>2</sup> Concentration Generation Rate based on 20-liter volume

	Gas	Mode	Value <sup>1</sup> mg/hr	Value <sup>2</sup> mg/m <sup>3</sup> ·hr	Value <sup>3</sup>	Level	Reference
1	Formaldehyde / HCHO	Decay	4.5	225	30%	AVG	TRR.26/02
2	TVOC	Decay	0.45	22.6	3%	AVG	TRR.26/03
3	BENZENE / C <sub>6</sub> H <sub>6</sub>	Decay	0.014	0.7	0.1%	AVG	TRR.26/04

<sup>1</sup> Mass Removal Rate (CADR)

<sup>2</sup> Concentration Removal Rate based on 20-liter volume

<sup>3</sup> Removal Rate efficiency per pass

Approved by

Dr. Masoud Jabbari / CEO.

