

# Certified safe. Certified healthy.

## Infrared Saunas Safety Certifications and Testing

All Clearlight® brand saunas are rigorously tested and certified for product safety. Your health is our number one concern. We guarantee that your Clearlight® infrared sauna will be safe and below any threshold of concern.

### Electrical and Hazardous Materials Safety



The ETL service mark is verified and certified by Intertek, a third-party safety rating company. This mark assures the highest level of safety and compliance for all components and saunas.

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Compliance with the CE standard implementation starts during the design and manufacturing process relies on the manufacturers themselves both within and outside the EU.

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Our compliance with RoHS, (Restriction of Hazardous Substances) is verified by RoHS standards and certified by Intertek.

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### VOCs

We have designed and built our saunas to be free of any harmful VOCs (Volatile Organic Compounds.) We regularly utilize third party labs to perform rigorous VOC testing. All results are then compiled, compared and recorded. This way we know that no VOCs will be present during your sauna session.

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## Electromagnetic Safety

True Wave™ infrared heaters are the most effective and safest infrared heaters available. We have developed our own patented technologies that cancel out both EMF (Electromagnetic Fields) and ELF (Extremely Low Frequencies). We guarantee that you will not experience any harmful wavelengths when you are in your sauna.

EMF levels tested consistently show an average of less than 1mg and our ELF levels test 3-5 times below the threshold of concern set by the World Health Organization (WHO). Many of our competitors’ saunas tested with levels 20 times or more above this same threshold of concern. Our proprietary True Wave™ heaters were the first low EMF carbon-based heaters in the market and revolutionized the entire infrared sauna industry.

### Low EMF (Electromagnetic Field)

Our exclusive manufacturing process and patented far infrared heater technologies reduces EMF levels to virtually zero where you are sitting ensuring the highest level of safety. This has been confirmed by third party testing. When EMF levels are measured in the seating area inside a Clearlight® infrared sauna, EMF levels are virtually undetectable. Measurements have been verified by VitaTech Electromagnetics.

### Low ELF (Extremely Low Frequency)

Extremely low frequency (ELF) is easily detected standing near any utility power line. You can also be exposed when operating electrical appliances. When testing our low ELF technology, our saunas measured at 200 mV – five times below the threshold of concern, as opposed to many competitor models, where ELF levels were found to exceed 20,000 mV – 20 times above the threshold of concern. When we test our saunas without an actual person inside, our ELF metrics are equally impressive. The Threshold of Concern is 10 Volts/Meter (V/m). Clearlight® Infrared Saunas averaged 3.4 V/m, whereas our competitors' saunas measured 300+ V/m.

### EMF/ELF Shielded Wiring and Extra Shielding

We manufacture our saunas with electrical wiring shielded in grounded metal conduit. This provides the safest and lowest EMF/ELF levels possible. We also discovered that twisting the wires inside the conduit further reduces EMF levels by canceling out the signal. Then we shielded and grounded all electrical components including our special carbonized heater safety mesh to eliminate any residual ELF.