

# Safety Certifications – Radiant Health Saunas



Radiant Health Saunas have been safety tested by Intertek to meet or exceed both Canadian and U.S. standards for safety. OSHA requires products sold for use in businesses to be third-party safety tested by a company on their list of Nationally Recognized Testing Laboratories, of which Intertek is one. They meet the same standards as UL and CSA and our saunas have an ETL mark for both US and Canada attached to our product. It is important to note that the Radiant Health Saunas as a whole has been tested and certified -- many manufacturers of saunas have not had this done and instead have only one or more components that have been safety tested.

Our saunas are safety approved by Intertek in Europe and have the "GS" mark which is the safety approval for Germany and it is tested to the IEC Standard E60335-1 and IEC E60335-2-53 IEC is the International Electrotechnical Commission. This "GS" mark is considered a very high standard in Europe.



The Restriction on Hazardous Substances Directive is a European Union requirement (unfortunately not a U.S. or Canadian requirement) that restricts the use of 10 hazardous substances in the manufacture of electronic and electrical equipment, and is sometimes called the "lead-free directive" (all electronics historically used lead for attaching electronics to circuit boards and is still common in products not destined for the European market). The RoHS directive restricts the use of lead, mercury, cadmium, hexavalent chromium, and two flame retardants: polybrominated diphenyls (PBB) and polybrominated diphenyl ether (PBDE). Our saunas have been third-party tested by Intertek to meet or exceed the requirements of this standard.

**RoHS** restricts the use of the following ten substances:

1. [Lead](#) (Pb)
2. [Mercury](#) (Hg)
3. [Cadmium](#) (Cd)
4. [Hexavalent chromium](#) (Cr<sup>6+</sup>)
5. [Polybrominated biphenyls](#) (PBB) (flame retardant)
6. [Polybrominated diphenyl ether](#) (PBDE) (flame retardant)
7. [Bis\(2-ethylhexyl\) phthalate](#) (DEHP)
8. [Butyl benzyl phthalate](#) (BBP)
9. [Dibutyl phthalate](#) (DBP)
10. [Diisobutyl phthalate](#) (DIBP)

## VOC's

We have also had our whole sauna (not just the heaters) tested by a government certified lab in Canada (Pacific Environmental BC – Report No.7379-R1hw), testing for toxicity. The report showed zero VOC's (Volatile Organic Compounds) and they measure ppm (parts per million) which allows even individuals with severe sensitivities to use our saunas.

## EMF and EF

We have also had our whole sauna tested by a government certified lab in Canada (LabTest Certification Inc. – Report No. 11310-1S) for EMF (Electromagnetic Fields) and EF (Electrical Fields) and pleased to report that we exceed TCO (Swedish standards) for both. Our heaters average 0.3mG at point of body contact (the wooden boards one leans against) which is the lowest in the industry. It is very important to have your whole sauna tested for EMF and EF and not just your heaters in isolation, for the highest readings are often from the electrical connections and wiring.