

TempaDOT[®] Safety & Environmental Impact Report

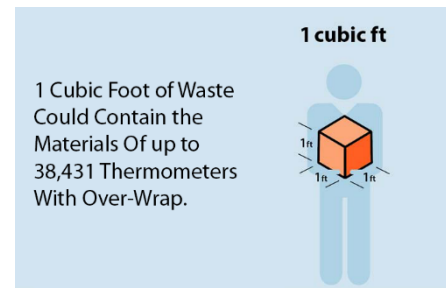
Safety. All of Medical Indicators' thermometers are manufactured in our U.S. FDA-registered and ISO-certified facility in a controlled production room that meets the requirements of both nationally and internationally-recognized testing standards.

Medical Indicators' Product and Manufacturing Certifications:

- FDA Registration No. 2246308
- ISO-13485
- CE Certificate No. 01943
- UKCA Certificate No. 761223

Materials. TempaDOT[®] single-use thermometers are made from materials commonly found in the food packaging, cosmetics, and medical industries. The base materials make-up 97.5% of our thermometers, and include plastics like APET and Nylon. The balance of materials is FDA-approved adhesives and inks found internal to the structure of the product. One over-wrapped thermometer weighs approximately 0.67g, with the thermometer weighing approximately 0.204g. Of this, less than 0.001g. is the chemistry used for the crystals contained in the dot matrix on each of our thermometers. Approximately 1g of organic crystals is enough to make 123 TempaDOT[®] single-use thermometers. In comparison, a US penny weighs 2.5g, which is the weight of 12.3 TempaDOT[®] single-use thermometers.

Carbon Footprint. Based strictly on materials consumed, the web to manufacture one thermometer weighs 0.417g. With the over-wrap packaging weighing 0.445g., the total waste by weight becomes 0.862g. per thermometer. With 3.4 lbs. of carbon emissions for every 1 lb. of APET plastic produced, it would take approximately 457 over-wrapped thermometers to produce 1 lb. of CO₂ emissions; equivalent to the CO₂ emissions from burning an entire gallon of gasoline.



Accuracy. TempaDOT[®] thermometers feature Precision Phase Change Technology, which utilizes a dot matrix comprised of heat-sensitive crystals to accurately measure body temperature, providing the highest level of accuracy attainable on the market today, accurate to ± 0.2 °F/ ± 0.1 °C.

Laboratory Testing. In order to ensure their safety, we test all of our thermometers utilizing sterility testing (for sterilized products) and bioburden testing (for non-sterilized products). The sterility rate on our sterilized thermometers is 0. The bioburden rate on our non-sterilized thermometers is <1CFU - meaning that our non-sterilized thermometers have a population of less than one viable microorganism.

Patient Protection. When a thermometer is used on multiple patients, the potential for transmission of pathogens significantly increases. TempaDOT[®] thermometers are individually wrapped and intended to be disposed of after use, circumventing the risk of infection transfer by providing a clean instrument that is used once and then discarded.