

TraxIt® 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. TraxIt® 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 PETG, PP and a solventless pressure sensitive adhesive. The plastics, adhesives and inks found internal to the structure of the product are FDA approved. One TraxIt® thermometer weighs approximately 0.44g. Of this, less than 0.001g. is liquid crystal. Approximately 1g of liquid crystal is enough to make 50 TraxIt® thermometers. In comparison, a US penny weighs 2.5g, which is the weight of 5.6 TraxIt® thermometers.

Carbon Footprint. Based strictly on materials consumed, the web to manufacture one thermometer weighs 0.607g. With 3.4 lbs. of carbon emissions for every 1 lb. of PETG plastic produced, it would take approximately 527 TraxIt® thermometers to produce 1 lb. of CO₂ emissions; equivalent to the CO₂ emissions from burning an entire gallon of gasoline. Since TraxIt® thermometers use liquid crystal technology, no batteries or digital components end up in landfills, adding in the significant reduction of our carbon footprint.



Accuracy. TraxIt® 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 independent laboratory testing, TraxIt®'s liquid crystal chemistry was found to be a non-irritant when compared to toothpaste and mouthwash. No allergic reaction was observed after repeated exposure to TraxIt® liquid crystal chemistry or to a saline extract from TraxIt® thermometers.

Patient Protection. When a thermometer is used on multiple patients, the potential for transmission of pathogens significantly increases. TraxIt® thermometers are intended to be disposed of after use, circumventing the risk of infection transfer by providing a clean instrument that is used for a continuous 48 hours and then discarded.