

TRACE-IT® DETECTABLE PEN

DETECTABLE, COMPLIANT, AND COLORFUL



Product Description:

Trace-It® pens offer a metal-detectable, X-ray-visible body in various colors, with blue, black, or red ink. Available in clipped or looped models, they're FDA & EU-compliant for food contact, with ISO 12757-2 certified ink.

Advantages

- Detectable by in-line metal detection systems and x-ray inspection systems
- The ink complies with ISO 12757-1 for general use and ISO 12757-1 for documentary use
- Strong, durable, shatter resistant, and chemically resistant
- Compliant with EU and FDA, including mandatory EU migration test standards
- Can be used as part of HACCP and BRC procedures
- Write out length of 9,000m +/- 30%
- Clipped and looped* versions are available and bespoke printing can be added if requested
- Displays due diligence in the prevention of foreign body contamination

**Looped models are only available in blue body*

Housing Material

Detectable Polypropylene
Co-Polymer

Cartridge Material

Stainless Steel

Pack Quantity

50

Pack Weight

1.21 lb.

Body Styles

With a clip & with a
lanyard loop

Body Colors Available

■ Red ■ Orange
■ Yellow ■ Green
■ Blue

Ink Colors Available

■ Blue ■ Black
■ Red ■ Green

Ink Specs

- ✓ Temperature Range
41°F - 86°F
- ✓ Unpressurised ink
- ✓ ISO 12575 - 2 DOC G2
- ✓ ISO 12575 - 2 DOC H
- ✓ ISO 12575 - 2 G2
- ✓ ISO 12575 - 2 DOC A2
- ✓ ISO 12575 - 1 A M
- ✓ TSCA Listed (USA)
- ✓ ISO 12757 - 1
- ✓ ISO 12757 - 2
- ✓ Conforms to REACH standards

Item Number

D1028 (with a clip)
 D1032 (with a lanyard loop)



TESTING RESULTS

FDA Food Contact Status

Our Detectable Polypropylene Co-Polymer complies with FDA regulations for food contact applications as outlined in 21 CFR 177.1520 (a)(3)(i), (b), and (c)(3.1a). It is approved for use with all food types under conditions of use C through H (21 CFR 176.170(c), Table 2), excluding cooking applications.

Additionally, all mineral additives and pigments used are either GRAS (Generally Recognized As Safe) or FDA-approved under specific regulations.

EU Food Contact Status

The Detectable Polypropylene Co-Polymer in various colours is manufactured in line with the relevant requirements of 2023/2006/EC on good manufacturing practice (GMP) for materials and articles intended to come into contact with food.

The raw materials used in the manufacturing process of the above mentioned materials (XDETECT 2.0 in various colours) can be considered suitable for food contact applications in terms of compliance with European regulations. The raw materials used meet the relevant requirements of EU Framework Regulation 1935/2004 on materials and articles intended to come into contact with food.

X-Ray Visibility

X-ray visibility depends on material density, so our Detectable Polypropylene includes a food-safe, high-density additive for improved detection. Testing shows consistent positive readings for whole pens and fragments as small as 5mm, though detection may be reduced when fragments are buried in denser products. Performance varies by product type and density, so we recommend professional testing and potential recalibration of x-ray inspection systems to ensure reliable detection.

Metal Detectability

Our Detectable Polypropylene Co-Polymer is an electromagnetically detectable and x-ray visible plastic, with a stainless steel ink cartridge. Metal detectability varies based on factors such as calibration levels, product type, aperture dimensions, and orientation, with the “orientation effect” influencing detection sensitivity. Our testing used a worst-case scenario approach, equating pen components to ferrous ball test piece equivalents for calibration ease. As metal detector sensitivity varies, BSC recommends professional testing and potential recalibration of detection systems to ensure reliable performance. UKAS-accredited test pieces are available for purchase.