



J850 GEL DETECTAPEN®

SMOOTH, SAFE, AND COMPLIANT



Product Description:

The J850 Gel DetectaPen® features a spring-free retractable design and smooth-flowing gel ink.

Its stainless steel ink cartridge and 0.7mm nib write up to 850 meters (EWIMA). Designed for food processing (41°F - 86°F), it ensures compliance and durability.

The detectable polypropylene co-polymer housing is metal detectable, X-ray visible, and antibacterial for enhanced safety.

Advantages

- Detectable by in-line metal detection systems & x-ray inspection systems
- Incorporates antibacterial technology to protect against pathogenic germs and moulds
- Strong, durable, shatter resistant & chemically resistant material
- Compliant with EU & FDA food contact legislation, including mandatory EU migration test standards
- Can be used as part of HACCP and BRC procedures
- Displays due diligence in the prevention of foreign body contamination

Housing Material

Detectable Polypropylene
Co-Polymer

Cartridge Material

Nickel

Pack Quantity

25

Pack Weight

15.87 oz.

Body Styles

With a clip & with a lanyard loop

Body Colors Available

- | | |
|----------|----------|
| ■ Black | ■ White |
| ■ Red | ■ Orange |
| ■ Yellow | ■ Green |
| ■ Blue | ■ Purple |
| ■ Pink | |

Ink Colors Available

- | | |
|--------|---------|
| ■ Blue | ■ Black |
| ■ Red | |

Ink Specs

- ✓ Temperature Range 41°F - 86°F
- ✓ Unpressurised ink
- ✓ ISO 27668-1
- ✓ TSCA Listed (USA)
- ✓ REACH Regulation 1907/2006
- ✓ MITI List Japan
- ✓ EU 2004/73/EC
- ✓ EU 67/548/EEC
- ✓ SR817.04 Swiss Reg

Item Number

- D1010 (with a clip)
D1011 (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.

Detectapen Antibacterial Technology

Detectapen products feature built-in silver ion antimicrobial technology from SteriTouch, providing continuous protection against bacteria such as MRSA, E. Coli, and Salmonella, reducing the risk of cross-contamination. The antibacterial properties are permanently embedded in the material and will not wear off over time.

Laboratory-tested, this technology is proven effective against harmful bacteria and mold, including Bacillus Cereus, Campylobacter, Streptococcus, and more.

The antibacterial additive complies with Regulation 1935/2004/EC and Regulation 10/2011/EC, ensuring safety for food contact materials. All components meet EU-approved substance regulations, and no restricted dual-use additives are intentionally used.

Additional Details

✓ Kosher ✓ Halal