



RETRACTABLE HIGHLIGHTER MARKER

HIGHLIGHTING SAFETY



Advantages

- Detectable by in-line metal detection systems and x-ray inspection systems
- Incorporates antibacterial technology to protect against pathogenic germs and moulds
- Features a polyester chiselled nib ideal for highlighting text
- Sureflow ink ensures the pen continues to write for several days with the nib left out
- Compliant with EU and 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

Product Description:

The Metal Detectable Retractable Highlighter is designed for use in food processing, pharmaceutical, and other hygiene-critical industries. Made from detectable polypropylene co-polymer, it is optimized for metal and X-ray detection, ensuring enhanced safety and traceability in contamination-sensitive environments.

This highlighter also features antibacterial technology effective against E. coli, MRSA, and Salmonella, supporting strict hygiene protocols. Its retractable design eliminates the need for a cap, reducing the risk of lost components. Equipped with a polyester chisel-tip nib, it delivers smooth, precise highlighting and is available in a bright yellow color for maximum visibility.

Housing Material

Detectable Polypropylene Co-Polymer

Nib Style

Chiselled

Nib Material

Polyester

Ink Specs

(EC) No. 1907/2008

(EC) No. 12721/2008

Pack Quantity

10

Commodity Code

39233090

Pack Weight

4.73 oz.

Item Number

D1042

Body Colors Available

■ Blue

Ink Colors Available

■ Yellow



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