

BST STAPLELESS STAPLER

METAL DETECTABLE STAPLELESS STAPLER

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Product Specifications

ST3SP52DB | Revised September 2018



Product Name: BST Stapleless Stapler

Product Description: This metal detectable & x-ray visible stapleless stapler is designed specifically for use in the food industry, where minimising the risk of foreign body contamination is of the highest priority. The stapler works by cutting a flap in the corner of the papers, folding it back and tucking it into a slit, all in one press. The stapler is made from metal detectable and x-ray visible ABS, reducing the risk of the stapler itself becoming a contaminant, and by not using any staples it further eliminates the risk of staples becoming contaminants.

Product Code: ST3SP52DB

Pack Size: 1

Pack Weight: 0.05 Kg

Product Colour: Blue Only

Product Material: BST XDETECT Food Grade ABS

Product Advantages:

- ✓ XDETECT® Dual Detectable
- ✓ Eliminates the use of staples
- ✓ Environmentally friendly
- ✓ EU Food Contact Compliant
- ✓ FDA Food Contact Compliant
- ✓ Creates no paper waste



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Food Contact Status

Hereby we declare that the materials ABS are manufactured in line with the relevant requirements of 2023/2006/EC as amended by Commission Regulation (EC) 282/2008, 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 meet the relevant requirements of EU Framework Regulation 1935/2004 on materials and articles intended to come into contact with food.

The monomers, starting substances and additives used are listed in Annex I of the consolidated Commission Regulation No.10 (2011) as amended by 321/2011/EC (restriction of use of BPA in plastic infant feeding bottles), 1282/2011/EC, 1183/2012/EC, 202/2014/EC, 174/2015/EC, 1416/2016/EC, and 752/2017/EC, respectively, related to Plastic Materials and Articles intended to come into contact with foodstuffs.

The colourant used in the formulation of the ABS is compliant with European Council Resolution AP(89)1 on the use of colourants in plastic materials coming into contact with food, and also with German BfR Recommendations (IX). The carbon black used in the formulation of the ABS Black is specifically tested to by the supplier to ensure continuous compliance with carbon black (CAS 1333-86-4, FCM Substance No 411) purity requirements and specific restrictions/specifications mentioned in Annex I of the Commission Regulation (EU) No 10/2011 (replacing Dir. 2002/72/EC) and its current amendments, concerning Plastics coming into contact with food.

Migration Testing

The following overall migration results for XDETECT Food Grade ABS were obtained using a UKAS accredited laboratory, with overall migration simulants and conditions as detailed in EU Regulation No 10/2011 as amended, on plastic materials and articles intended to come into contact with food.

Sample: *ABS-2016/047*

Test conditions: Simulants A, B and Iso-octane: 10 days at 40°C 95%v/v ethanol: 2 days at 20°C

| Method | EN-1186-3 Migration into 10% v/v Ethanol (Simulant A) | EN-1186-3 Migration into 3% w/v Acetic Acid (Simulant B) | EN-1186-14§ Migration into Iso-octane (Substitute test) | EN-1186-14§ Migration into 95% Ethanol (Substitute test) |
|--------------------|--|---|--|---|
| Replicate #1 | 0.4 mg/dm ² | 0.8 mg/dm ² | 346.7 mg/dm ² | 14.5 mg/dm ² |
| Replicate #2 | 0.4 mg/dm ² | 0.8 mg/dm ² | 303.8 mg/dm ² | 15.5 mg/dm ² |
| Replicate #3 | 0.4 mg/dm ² | 0.7 mg/dm ² | 318.0 mg/dm ² | 14.3 mg/dm ² |
| Mean Result | 0.4 mg/dm² | 0.8 mg/dm² | 322.8 mg/dm² | 14.8 mg/dm² |
| EU Limit | 10.0 mg/dm² | 10.0 mg/dm² | #20.0 mg/dm² | 10.0 mg/dm² |

#Limit and tolerance are quoted after the application of a fatty food reduction factor of 2 as quoted in EU Regulation 10/2011

To summarise the overall migration test results, the XDETECT Food Grade ABS complies with the overall migration requirements given in EU Regulation 10/2011, as amended, with regards to use with all non-fatty foods and aqueous foods, as given in EU regulation 10/2011, as amended.



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Metal & X-Ray Detectability

The BST Stapleless Stapler is manufactured using an ABS composite material containing an evenly dispersed metal detectable additive. The detectability of this material will vary based upon the inspection systems being used and their calibration. All components of this product are manufactured from metal detectable polymers or metals, making the product fully detectable. The detectability of the product and its individual parts will vary based upon, but not limited to:

- Product Orientation
- Product Type (Wet / Dry / Frozen / Powder / Liquid ETC)
- Calibration Levels
- Aperture Dimensions

BST recommend that all our products be thoroughly tested on your inspection systems by a trained and certified professional. It may be the case that your equipment needs to be recalibrated in order to reliably detect this product. Such a professional should be available by contacting the manufacturer of your inspection system.

DISCLAIMER

The information provided in this product specification sheet is based on our experience and knowledge to date and we believe it to be true and reliable. This information is intended as a guide for your use of our products, the use of which is entirely at your own discretion and risk. We, BS Teasdale & Son Ltd, cannot guarantee favourable results and assume no liability in connection with the use of our products. © 2014 BS Teasdale & Son Ltd. All Content, Data & Images are owned by BS Teasdale & Son Ltd and are protected by international copyright law.

