

DETECTAMET

Technical Data Sheet

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148

Metal Detectable Food and Meat Marker



Technical Data Sheet Applicable To:

148-T040-P0*	Metal Detectable Food Marker All Colour Inks
148-T041-P0*	Metal Detectable Meat Marker All Colour Inks

Industry Usage:

These retractable food and meat markers come in blue housing with four ink colours and use food safe ink which is quick drying to prevent bleeding on the product.

Features and Benefits:

- Metal detectable & X-ray visible
- Made from FDA and EU approved polymers
- Retractable – No need for a cap
- Can be drilled with a hole to fit split ring for attaching to a safety chain/lanyard
- Store between 15 and 30°C (59 and 86°F)
- Do not expose to temperatures lower than 5 and higher than 35°C (41 and 95°F)
- Maximum temperature before ink degradation: 80°C (176°F)
- Ink application temperature: Room temperature

Material and Compliance Information:

The above is manufactured using pigments which are in accordance with: -

- European Resolution AP (89) 1
- Recommendation IX of the BfR for colouring plastics
- EN71-3 Toy regulation
- EU regulation EU No 2019/1381 amending Regulation EU No 1935/2004
- Is based on a polymer carrier that is compliant with: -
- EU regulation EU No 2020/1245 amending and correcting Regulation (EU) No 10/2011
- EU regulation EU No 2019/1381 amending Regulation EU No 1935/2004
- Has been produced according to Regulation 2023/2006EC on good manufacturing practice for materials and articles intended to come into contact with food, applicable to plastic raw materials.

This compliance statement is based on information supplied by the polymer and pigment manufacturers, migration testing according to Regulation 10/2011, migration modelling and quality control systems in place at Detectamet.

REACH – No substances of very high concern (SVHC) above the 0.1% weight (w/w) threshold limit are present in the materials.

Regulations and Standards

We confirm that the above-mentioned products are suitable for use in contact with all food types and are in conformity with the applicable requirements of the following regulations and standards:

- Regulation (EC) no.1935/2004 on Materials and Articles intended to come into contact with food.
- Commission Regulation (EU) No.10/2011 on Plastic materials intended to come into contact with food including its updates Regulation 1282/2011 and Regulation 1183/2012.
- Regulation (EC) no. 2023/2006 on Good Manufacturing Practice for materials and articles intended to come into contact with food.
- Council of Europe Resolution AP 89/1 on the use of Colorants in Plastic Materials coming into contact with food.
- US FDA 21 CFR 177.1520 (Olefin polymers) with colorants and additives cleared for use through listing in 178.3297 (Colorants for polymers), 178.2010 (antioxidants and/or stabilisers for polymers, or other respective parts of the FDA regulations.

Migration test data obtained under short-term repeat use test conditions (6dm²/kg food) has demonstrated that levels of overall migration and specific migration of additives from these products will not exceed the legal limits with all food types.

Test Simulants	Food Types	Testing Condition
A-C, D1, D2 of Regulation No. 10/2011 for Plastic Materials and Articles in contact with	All dry, aqueous, acidic, alcoholic and fatty foods.	2 hours at 70c, Repeat use. Test OM3 of regulation 10/2011

food.		
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Dual-use food additives may be present but any migration into food will be minimal. This compliance statement is based on information supplied by the polymer and pigment manufacturers, migration testing according to Regulation 10/2011, migration modelling and quality control systems in place at Detectamet.

General Information:

Maximum use Temperature: 100 °c

Maximum wash Temperature: 121 °c

Maximum use Temperature: Do not store at deep freeze temperatures prior to use.

Ink Information

- For use on absorbent, porous materials
- Washable, not permanent ink
- Meets EU Regulation 231/2012 additive for decoration

Colour Ref. NO:	CYANO 2623	MAGENTA 2623	YELLOW 2623	BLACK 2623
Viscosity (Rheometer HAAKE RheoStress1 PK60/1° @264 s- 1, mpas at 25°C)	<10	<10	<10	<10
pH:	6 +/- 1	6 +/- 1	6 +/- 1	6 +/- 1
Specific Gravity	1,045 +/- 0.07	1,045 +/- 0.07	1,045 +/- 0.07	1,045 +/- 0.07

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