

DETECTAMET

Technical Data Sheet

Document Reference	131
Date of Issue	3 rd Oct 2023
Revision Number	002
Date of Last Revision	29 th Sept 2025

131

Mechanical Pencil



Technical Data Sheet Applicable To:

131-C100-I50	Detectable Mechanical Pencil Metal Case 0.5mm 2B
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Industry Usage:

These metal mechanical pencils are blue in colour, allowing for visual detection, with the clip, nib and end being made from magnetic metal. This makes them perfect for food processing environments.

Features and Benefits:

- Metal detectable
- 0.5mm, 2B lead
- Metal mechanical pencils
- Refillable with standard pencil lead refills
- With pocket clip

Material and Compliance information:

Part Name	Colour/Grade	Raw Material
Battel	Mirror Metallic Lacquered	Aluminium
Nozzle	Satin Plated	Brass
Clip	Satin Plated	Spring Steel
Push Button	Satin Plated	Brass
Pencil Mechanism	Plastic	PP/ABS
Lead	0.5mm	

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 2023/2006/EC 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 it's 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 condition (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 food.	All dry, aqueous, acidic, alcoholic and fatty foods	2 hours at 70c, Repeat use. Test OM3 of regulation 10/2011

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 (212°F)

Maximum wash temperature: 121°C (249.8°F)

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

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