

# DETECTAMET

## Technical Data Sheet

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### 202 Calculators



#### Technical Data Sheet Applicable To:

202S-P01	Fully Detectable Handheld Calculator
202F-P01	Fully Detectable Desktop Calculator

#### Industry Usage

These calculators are fully detectable, and are available in handheld or desktop sizing depending on use.

#### Features and Benefits

- Metal Detectable & X-ray Visible
- Automatic Power off
- Handheld requires 1 x LR1130 battery
- Desktop requires 1 x AA Battery

**Material Information:**

- Handheld size: 113 x 64mm (4.44 x 2.51")
- Desktop size: 150 x 120mm (5.90 x 4.72")

**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 2023/2006/EC on good manufacturing practice for materials and articles intended to come into contact with food, applicable to plastic raw materials.

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 (6dm<sup>2</sup>/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.

Below is a composition of the materials used in: Detectable Safety Chain

Serial No.	Steel mark	Size (mm)	Chemical Composition %									
			C	Si	Mn	P	S	Ni	Cr	Mo	Cu	Pb
1	304	2.65*1220	0.078	0.95	1.98	0.039	0.024	8.09	18.12	-	-	-
Heat No	Weight	Delivery Status	Tensile Strength					Hardness Value				
			Tensile Strength	Yield Strength	Elongation	Yield Extended						
6	12236kg	2B	465				165					

Regulations and Standards:

This statement refers to the Products manufactured by Detectamet in stainless steel (304 grade) for direct contact with food

AISI Designation	European Standard Designation	
	Name	Number
304 (Austenitic)	X5CrNi18-10	1.4301

We confirm that the above-mentioned products are suitable for use in contact with all food types under and condition of use 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
- Specific metals release limits of council of Europe (COE) resolution CM/Res (2013) 9 on metals and alloys used in food contact materials.

Manufacture of these products is under quality control procedures meeting the requirements of regulation (EC) no. 2023/2006 on good manufacturing practice for materials and articles intended to come into contact with food

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Safety You Detect

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