

DETECTAMET

Technical Data Sheet

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SK124 Metal Detectable Safety Knife



Technical Data Sheet Applicable To:

615-K124-T184-P01	Safety SK124 Knife Standard Blue
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Industry Usage:

These detectable safety knives are ideal for general packaging use, including 2-ply cardboard

Features and Benefits:

- Metal Detectable
- Suitable for ambidextrous use
- Stainless steel body with blue detectable plastic parts
- Stainless steel blade
- Replacement blades available
- Usage: Cardboard, plastic wrapping, Sacks/plastic bags, plastic adhesive tape and plastic strapping
- Colours: blue/stainless steel
- No Snap-off blade to reduce the risk of contamination

Material and Compliance Information:

- Size: 100mm (3.93") x 25.5mm (1.00") x 7.8mm (0.31")
- Weight: 37.5g (1.32oz)
- Cutting depth: 8mm

The product is compliant with Regulation (EC) No 1935/2004, Regulation (EU) No 10/2011 EDQM-Guideline (2013), German LFGB and BfR recommendation X. Polyamide

Testing of the knife body and blade respectively for every part with the same material of the products listed above.

Testing parameters are adjusted to the contact duration and temperature according to the manufacturers conditions for the use of the products, i.e. to open packaging near room temperature with extremely short contact to food stuff. Thus, the migrations tests are usually performed under the following conditions if not mentioned otherwise:

- Compatibility with all foods (aqueous, acidic, and fatty with simulants A,B, and D2)
- Contact duration of 30 minutes at a temperature of 40°C

Tested parameters:

Regulation (EU) 10/2011

- Element migration Al, Ba, Fe, Co, Cu, Li, mn, Ni, Zn, 3% acetic acid at 70°C for 2h
- Total migration in simulants A,B and D2 at 70°C for 2h
- Migration of plasticizers in Iso-octane at 40°C for 30 minutes
- Release of primary aromatic amines in 3% acetic acid at 40°C for 30 minutes

Substances with specific migration levels SML acc. to Annex I and Annex II. The list of all components of the plastics is available only to the testing labs due to necessary non-disclosure agreements and all components were tested and rated according to the regulation

- There are no dual use substances present
- There are no functional barriers present
- The ratio of surface in contact with food stuff to volume is 6 dm²/kg (6:1)
- Total content of cadmium and lead acc. to REACH Regulation (EC) No 1907/2006, Annex XVII

German LFGB

- Total migration simulants A,B and D2 (LFGB B80.30-17/18 acc. to DIN EN 1186-14/15) at 40°C for 30 minutes
- Sensory smell and taste acc. to DIN 10955

EDQM Guideline (2013)

- Metals in contact with food stuffs, migration at 40°C for 30 minutes

BfR Recommendation X

- Peroxides on the surface

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