

Product Description High Lighter Markers

Part Number: HLPEN



Product Description: Our metal detectable & x-ray visible high lighter markers are designed specifically to reduce the risk of foreign body contamination in food and pharmaceutical processing environments. High lighter markers come with a chisel nib.

Specialised polymers contain evenly dispersed, non-toxic, ferrous and high density additives, making the plastic highly susceptible to detection by both metal detection and x-ray inspection systems. (Subject to correct calibration)

Ink Type: Designed for vibrant highlighting applications on papers and cardboards.

Ink Safety: Ink if used in a normal way is not considered hazardous, however in the event of abnormal use; if ingestion is suspected give plenty of water to drink and seek medical attention, if eye contact occurs irrigate with water for 10 minutes and seek medical attention, if inhalation occurs remove from exposure – seek fresh air and in severe cases seek medical attention.

Pack Size: 10 per box

Product Advantages:

- Detectable by in-line metal detection systems
- Highly visible bright blue body colour for easy visual identification
- 4 colors to choose from
- Can be used as part of HACCP and BRC procedures
- Displays due diligence in the prevention of foreign body contamination

Product Materials:

Cap	HDPE with metal detectable & x-ray visible additives
Body	HDPE with metal detectable & x-ray visible additives
NIB	Acrylic
Ink Reservoir	Polyester
End Plug	LLDPE with metal detectable & E-ray visible additives

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Metal Detectable Products

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Detectability

The body, cap and plug of our markers are manufactured from detectable polymers. These polymers contain evenly dispersed non-toxic detectable additives, making the material detectable by correctly calibrated metal detection systems and x-ray inspection systems.

Metal detectability performance will vary based on, but not limited to the following factors:

- Detector Calibration Levels
- Food Product Type (E.g. Wet, Dry, Frozen, Liquid)
- Aperture Dimensions
- Contaminant Orientation

For this reason Detectapro recommends all our products be thoroughly tested on your metal detection systems by a trained and certified professional. It may be the case your equipment needs to be recalibrated in order to reliably detect this product and its fragments. Such a professional should be available by contacting the manufacturer of your metal detection system.

Handling / Storage: Store at normal room temperature, keep away from direct heat and keep in original container.

Ink Properties:	Property	Value
	Hazard Identification:	With normal use, no known hazards
	Stability / Reactivity:	Product is stable
	Eco Toxicity:	No adverse ecological effects known
	Regulatory Information:	Not applicable
	This ink does not contain any substances of very high concern (SVHC), Benzene, Toluene or Xylene.	

Ink Safety: Ink contact with skin is not considered hazardous when coming into contact with skin through normal use. In the event of abnormal use causing health problems please refer to the below information:

Route	First Aid
Oral:	Give plenty of water to drink if ingestion is suspected
Skin Contact:	Wash skin with soap and water
Eye Contact:	Irrigate with water for ten minutes - obtain medical attention
Inhalation:	Remove from exposure - in severe cases obtain medical attention



Food Contact Status (EU) HDPE Material

Hereby we declare that the material HDPE is manufactured in line with the relevant requirements of 2023/2006/EC 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 can be considered suitable for food contact applications in terms of compliance with European regulations. The raw materials used meet the relevant requirements of EU Framework Regulation 1935/2004 on materials and articles intended to come into contact with food.

All monomers, starting substances and additives used to manufacture these grades are listed in Commission Regulation (EU) No. 10 (2011) on plastic materials and articles intended to come into contact with food.

Colourants used are compliant with European Council Resolution AP(89) 1 on the use of colourants in plastic materials coming into contact with food.

Food Contact Status (FDA) HDPE Material

The polypropylene base resin used in HDPE meets the FDA (Food and Drug Administration) requirements contained in the Code of Federal Regulations – latest revision (1/4-2011) - in 21 CFR 177.1520 (a) (3) (i) , (b) and (c) (3.1a). At the same time this base resin grade meets the FDA criteria in 21 CFR 177.1520 for food contact applications, excluding cooking, listed under conditions of use C through H in 21 CFR 176.170 (c), Table 2., and can be used in contact with all food types as listed in 21 CFR 176.170 (c), Table 1. Also the mineral additives and the pigments used are GRAS (Generally Recognized As Safe) or are FDA cleared under specific FDA citations.

Food Contact Status LLDPE Material

The raw materials used in the manufacturing process of LLDPE are compliant with the Commission Regulation (EU) No. 10/2011 on plastic materials intended to come in to contact with food including its amendments. Under FDA regulations, the listed material is confirmed as generally recognized as safe (GRAS)

