



# SAFE-MARK with ((DETEX))<sup>®</sup> FOOD GRADE MARKER



Nonfood Compounds  
Program Listed Category: R1

SPECIALTY MRO

TECHNICAL DATA SHEET



## FEATURES

- NSF approved permanent ink marker for nonfood compounds category R1.
- General purpose, quick drying permanent ink marker.
- Designed for marking on food contact surfaces used in processing, transporting, or holding food products, such as parts of machinery or equipment where meat or poultry would be in repeated or continuous contact.
- Marker can be used to identify storage bins, trays, dies and molds, tools, and processing equipments.
- Ideal to use on metal, glass, plastic, cardboard, rubber, shrink film, stretch wrap, or just about any surface.
- Valve action mechanism prevents ink in barrel from drying when the cap is left off.
- The marker features a threaded barrel that allows the marker cap to be screwed onto the back of the marker barrel preventing it from falling off during use.
- Does not contain any reportable amounts of HAP's (Hazardous Air Pollutants).
- Does not contain any reportable amounts of xylene.

## PHYSICAL PROPERTIES

- Appearance: blue, black, white, yellow, orange, red, OR green liquid
- Odor: Pungent
- Specific gravity: <1
- VOC level: <86 % by weight
- Flash point: -4°F
- Dry Time\*: 20 - 30 seconds

\* Note: Drying time may vary depending on film thickness.

## DIRECTIONS FOR USE

- Shake well with cap on
- Depress tip to start flow
- Replace cap when not in use

## MATERIALS COMPATIBILITY

- Safe on most surfaces
- Removable with LPS Precision Clean
- Surface tests should be run to determine compatibility prior to use

## HEALTH AND SAFETY

- Flammable liquid and vapor. Keep away from heat, sparks and flame. Use only with adequate ventilation. Avoid contact with skin and eyes.
- Refer to SDS (Safety Data Sheet) for complete information on health and safety. Visit our website at [www.lpslabs.com](http://www.lpslabs.com) to obtain SDS.

PART #	COLOR	NSF #	TIP SIZE	IDEAL FOR
57801	BLUE	143577	 MEDIUM LOCKED TIP	Metal Glass Plastic Cardboard Rubber Shrink Film Stretch Wrap and most other surfaces
57802	BLACK	150209		
57803	WHITE	143574		
57804	YELLOW	143575		
57805	ORANGE	146340		
57806	RED	146342		
57807	GREEN	143576		

SAFETY DATA SHEETS AVAILABLE UPON REQUEST OR VISIT OUR WEB SITE: [WWW.LPSLABS.COM](http://WWW.LPSLABS.COM)



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# METAL AND X-RAY DETECTABLE PLASTIC COMPONENTS (PATENT PENDING)

LPS® is a leading food-grade MRO chemical manufacturer that developed the innovative technology, DETEX®, to help reduce the risk of foreign object contamination during food and beverage processing. All DETEX® components on LPS® food industry products are Metal and X-ray Detectable.

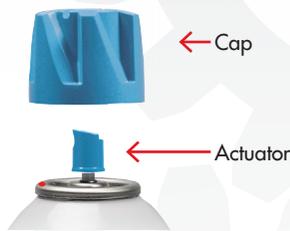


Scan to see DETEX® in action!

FEATURES	BENEFITS
All plastic components are Metal and X-ray Detectable and are capable of detection by most metal detection equipment.	Reduce concerns of food product contamination and assist with HACCP requirements.
All DETEX® plastic component ingredients are GRAS listed (Generally Recognized As Safe - FDA 21 C.F.R. Sections 177 and 178).	Meets FDA requirements as an acceptable material for use in food processing plants.
LPS® food safe maintenance chemicals have prominently displayed NSF® category labeling. This ensures only food safe products are used for maintenance during processing.	Distinct labeling helps to prevent use of non NSF® approved LPS® products in the food processing area.
Aerosol can is in compliance with the Food Safety Net Services (FSNS). FDA 21 C.F.R.175.300, 1935/2004/EC.	Aerosol can does not contain: Heavy metals, BADGE, BFDGE, NOGE, and Bisphenol-A (BPA).

Universal blue color for all Metal and X-ray Detectable plastic components easily identifies them as a non-food object.

## AEROSOL



### ADDITIONAL AEROSOL FEATURES:

- Certified food safe container
- Dual language labeling: English and Spanish
- 2-piece aerosol can; 10% – 15% lighter than a 3-piece aerosol can

## TRIGGER SPRAYER



### • Additional Trigger Sprayer Features:

- Adjustable spray stream to ensure proper application
- Ergonomic, 3 finger trigger to reduce finger fatigue
- Chemically resistant trigger
- Metal detectable dual language label on container: English and Spanish
- Label adhesive compliant with FDA 175.105

## CARTIDGE CAP



### ADDITIONAL GREASE CARTRIDGE FEATURES:

- Tri-lingual labeling: English, Spanish, and French
- Metal detectable aluminum seal to ensure product integrity

## GALLON CAP



### ADDITIONAL GALLON CAP FEATURES:

- Metal detectable dual language labeling on container: English and Spanish
- Label adhesive compliant with FDA 175.105

## MARKER



COMPONENT	DRY MODE	WET MODE
<b>AEROSOL</b>		
Actuator	2.2 mm	2.5 mm
Cap	3.0 mm	> 3.0 mm
<b>CATRIDGE CAP</b>		
Cap	> 3.0 mm	> 3.0 mm
<b>GALLON CAP</b>		
Cap + Metal Liner	> 3.0 mm	> 3.0 mm
Cap Only	> 3.0 mm	> 3.0 mm
Liner Only	> 3.0 mm	> 3.0 mm
<b>TRIGGER SPRAYER</b>		
Whole Sprayer*	> 3.0 mm	> 3.0 mm
Body	> 3.0 mm	> 3.0 mm
Trigger	> 3.0 mm	> 3.0 mm
Closure	> 3.0 mm	> 3.0 mm
Metal Pin	2.5 mm	> 3.0 mm
Nozzle	2.5 mm	> 3.0 mm
Piston	2.0 mm	2.5 mm
<b>MARKER</b>		
Cap	3.0 mm	> 2.5 mm
Valve	> 3.0 mm	> 2.5 mm

## NOTE

1. Detection limits for a particular machine depend on a variety of factors including line speed, contaminant placement and orientation, iron fortification (i.e.; flour), wet mode vs. dry mode, fragment size, aperture size, etc. It is the responsibility of the end-user to determine the detection limits of the appropriate DETEX® component for the individual line set up and for the particular food product being inspected.
2. Metal and X-ray Detection limits for plastic components (above) are based on whole components. Partial components may not be detectable due to detector limitations, partial component size, malfunctioning equipment and/or the type of food product undergoing processing.
3. ITW Pro Brands recommends that all components be tested prior to implementation (separately and included in the processed food product) and/or consult your specific metal detector equipment manufacturer directly.
4. Product shelf life, warranty, and material safety data sheets are available at [www.lpslabs.com](http://www.lpslabs.com). ITW Pro Brands is not responsible for use of this product inconsistent with its instructions and warnings.
5. ITW Pro Brands is not responsible for failure to detect components due to detector limitations and/or detector malfunctions. Refer to the metal detector manufacturer's design limitations, instructions, and warnings regarding the use, limitations, and proper maintenance of the equipment.