

## CHEMICAL PROCESS INDICATOR LABEL For Monitoring Steam Sterilization Processes (CLASS / TYPE 1)

Crosstex Code: CPI-S01

### Product Description

Crosstex Steam Chemical Process Indicator Labels are designed to aid in distinguishing processed from unprocessed products. The color transition from blue to pink allows end users to easily identify goods which have been exposed in a steam autoclave. The indicators are designed for use in pre-vacuum steam sterilizers operating at 121°C and up to 135°C.

### Physical Properties

Process	Steam
Dimensions	Diameter: 12.7 mm (0.5") circle Thickness: 0.10 mm (indicator); 0.17 mm (indicator and liner)
Packaging	5,000 Indicators/Roll
Chemical Indicator	Initial Color: Blue Signal Color: Pink

### Intended Use

Class 1 / Type 1 Process Indicator

- 121°C, ≥10 minutes (pre-vacuum)
- 134°C, ≥ 2 minutes (pre-vacuum)

### Instructions for Use

Use an indicator on each item, pack, peel pouch, or tray that will be steam sterilized. Place at a location considered most challenging for steam to reach. Process packages/items as instructed in the autoclave/sterilizer validation or manual.

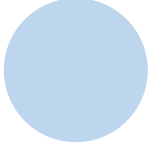

Upon exposure to high temperature steam, the indicator will transition from blue to pink. The transition color may vary depending on the load configuration, length and conditions of exposure. A color transition from blue to a shade of pink provides indication of exposure to high temperature steam. If signal color is not achieved, this suggests ideal sterilization conditions were not met. Determine if the load was successfully sterilized by examining a biological indicator, or re-sterilize the load using a new chemical indicator.

The chemical reaction which causes the color transition is a steam specific reaction and is irreversible.

Crosstex International, Inc. | Industrial Markets

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**Performance Characteristics**

Result Availability	Immediately following exposure to high temperature steam processes
Unexposed*	Exposed to Steam 121°C, 10 minutes*
	

\*Colors shown are representations of printed ink initial and signal colors but may vary from actual use.

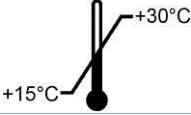

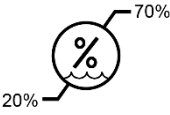




The signal color achieved from exposure to steam may vary from the example above due to differences in processing parameters (i.e. load content, steam quality, cycle time, temperature, etc.).

**Compliance**

ISO 11140-1:2014 Sterilization of health care products – Chemical indicators - Part 1: General requirements

**Storage and Shelf Life**

	15°C to 30°C		Keep away from sunlight
	20% to 70% relative humidity		Keep dry
<b>Shelf life</b>	2 years from the date of manufacture  The date of manufacture is based on the day the indicating ink is applied to the substrate. The remaining shelf life upon receipt will be shorter than 2 years		
	Keep away from sterilants. Do not use damaged Indicators or Indicators which have transitioned to pink. Do not use after expiration date		

**Disposal**

Discard as general waste.