CHEMTEQ

Hydrogen Cyanide
Breakthrough Indicator Sticker
(HCN BTIS)
(PN: 130)

Manual

1. Application

The Hydrogen Cyanide BTIS (PN: 130) is a qualitative (yes/no) colorimetric indicator for the saturation and end-of-service life of ductless fume hood filters. The indicator is designed to provide a real-time indication of the breakthrough of hydrogen cyanide.

Each BTIS has a unique serial number for proper tracking & identification.

2. Specifications

a.	Weight:	0.4g (0.02oz)
b.	Dimensions:	2.8mm (0.11in),ϕ: 31.8mm (1.25in)
c.	Operating temperature:	-20°C to 35°C (-4°F to 95°F)
d.	Operating humidity:	5%RH to 85%RH
e.	Minimum detectable limit:	0.5ppm·hr at 30 cm/sec face velocity
f.	Color change:	Yellow to orange
g.	Storage temperature:	4°C to 25°C, (39°F to 77°F)
h.	Shelf life:	1 year at 4°C to 25°C, (39°F to 77°F)
i.	Service life:	6 months

Cross interferences and limitations: Hydrogen chloride and hydrogen sulfide impede the hydrogen cyanide indicator. No other interferences or limitations are known.

3. Operating Instructions

a. Ensure that the sealed pouch is intact.
b. Open the packaging pouch by tearing off the top part from one of the side notches.
c. Remove the indicator sticker from the packaging pouch.
d. Peel off the protective liner to expose the bottom adhesive (Figure 1).

e. Hold the sticker from the edges, as shown in Figure 2, and place it on the center clean area of the filter's outlet with the reading area (glossy surface) of the sticker facing up.
f. Press firmly to attach the sticker to the filter's outlet (Figure 3).
g. Replace filter when the reading area of the indicator changes color to orange.

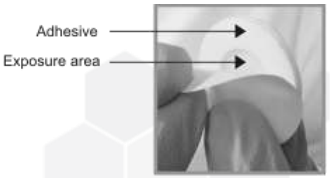

Figure 1

Figure 2

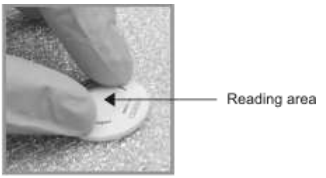

Figure 3

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