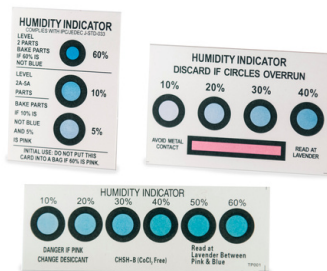# Standard Cobalt Humidity Indicator Cards

CHIC

Description

Standard Cobalt Humidity Indicator Cards are used to determine when products have been exposed to moisture and humidity above recommended storage levels. They are a low-cost method of indicating humidity conditions inside a moisture barrier bag after vacuum packing. Each Humidity Indicator Card is printed with moisture sensitive spots, which respond to various levels of humidity with a visible colour change from blue to pink. The humidity inside dry packed moisture barrier bags can be monitored by including a HIC inside. When the bag is opened, the card can be examined for proper dryness inside the bag. This indicates whether the barrier bag and the desiccants have functioned correctly.

- **3 spot:** 5cm x 7.5cm
- **4 spot:** 7.5cm x 3.5cm
- **6 spot:** 10.5cm x 3.5cm

Part Code	Description	RH %
CHIC3	3 Spot, 125 cards/tin	5, 10, 60% RH
CHIC4	4 Spot, 100 cards/tin	10, 20, 30, 40% RH
CHIC6	6 Spot, 200 cards/tin	10, 20, 30, 40, 50, 60% RH

Cartons have a batch number for QA traceability. Tin quantity could vary.

Key Features

- Used to quickly detect moisture and humidity levels in packaging (inc. moisture and metallised barrier bags)
- Colours change to indicate RH levels inside of the packaging
- The composition is composed of Cobalt Dichloride on cardboard
- Can be vacuumed sealed
- Cost-effective
- Early identification prevents damaged items from entering production
- Identify and/or monitor humidity levels prior to opening inner contents
- Humidity Indicator Cards comply with IPC/JEDEC J-STD-033, MIL-L-8835 and IEC-61340-5-1 standards
- RoHS and REACH compliant
- CE approved

Specification

Material	Blotting paper impregnated with cobaltous chloride
Accuracy	Based on ambient temperature of 75°F
Tolerance	Approx. 2.5% for each 10°F away from 75°F
Card Size	3 spot: 5cm x 7.5cm 4 spot: 7.5cm x 3.5cm 6 spot: 10.5cm x 3.5cm
Standards	Complies with IPC/JEDEC J-STD-033 MIL-L-8835
Packing	3 spot: 125 cards per tin 4 spot: 100 cards per can 6 spot: 200 cards per tin

Standard Cobalt Humidity Indicator Cards

CHIC

Colour Change Condition					
Spot	**Indication at 2% RH environment**				
5% spot	Blue (dry)	Lavender (spot value)	Pink (wet)	Pink (wet)	Pink (wet)	Pink (wet)
10% spot	Blue (dry)	Blue (dry)	Lavender (spot value)	Pink (wet)	Pink (wet)	Pink (wet)
60% spot	Blue (dry)	Blue (dry)	Blue (dry)	Blue (dry)	Blue (dry)	Blue (dry)

Handling / Storage

Do not keep open for a long period of time, immediately after each withdrawal, the containers should be tightly resealed. Cards should be used immediately. The highest indicating spot should be blue when the can is initially opened.

- Store in their original containers with desiccant where possible. Containers should be kept sealed.
- Replace desiccant bag after three openings of the sealed container.
- Store in a cool, dry area away from moisture.
- Keep Humidity Indicator Card Spots reversible by placing them in a sealed container with sufficient desiccant for 48 hours, the pink spot will turn to blue.
- Avoid chemicals, water (for quality) and fire (for safety).
- Discard cards if indicating colours overrun black circles.

Disposal Consideration

Recommended Methods For Safe Environmentally Preferred Disposal	Should be disposed of in an environmentally appropriate manner and in accordance with governmental regulations

Accidental Release Measures

In case of spill or other release, collect and place in a solid container. Take up the contaminated material by mechanical means, load into clean containers and dispose of in accordance with legal regulations.

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