

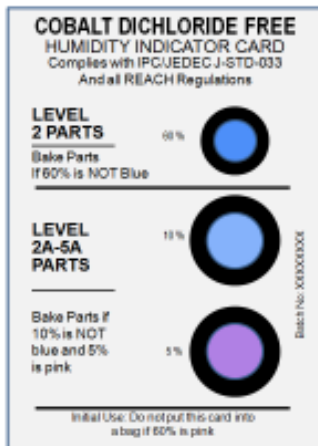
TECHNICAL DATA SHEET

JEDEC COMPLIANT 3 SPOT HUMIDITY INDICATOR CARD

Product Facts: Humidity Indicator Card is a card on which a moisture-sensitive chemical is printed such that each indicator spot will change color from **BLUE** to **PINK** when the indicated Relative Humidity level is exceeded as verified by JEDEC compliant Color Meter Test.

The Cobalt Dichloride Free HIC provides electronic and semiconductor manufacturers with a JEDEC-compliant humidity indicator cards that is free with Cobalt Dichloride, a chemical regulated under European Chemical Bureau (ECB) REACH Directives.

These Humidity Indicator Cards are COBALT DICHLORIDE-FREE



- **Shape:** Rectangular
- **Size:** 2in x 3in ± 5%
- **Paper:** Blotting White Paper
- **RH Indicated %:** 5%; 10%; 60%
- **Color Change:** BLUE (DRY) to PINK (WET)
- **Chromatic Response:** The spot changes its color from blue to pink when humidity is higher than indicated percentage
- **Time of Response:** About 1 hour (depending on the environment RH%)

The Cobalt Dichloride Free HI Card meets the verifiable JEDEC required color change requirements below:

	Indication at 2 % RH Environment	Indication at 5% RH Environment	Indication at 10% RH Environment	Indication at 60% RH Environment	Indication at 65% RH Environment
5% Spot	Blue (dry)	Lavender (spot value) $\Delta \geq 7\% \text{ hue}$	Pink (wet)	Pink (wet)	Pink (wet)
10% Spot	Blue (dry)	Blue (dry)	Lavender (spot value) $\Delta \geq 10\% \text{ hue}$	Pink (wet)	Pink (wet)
60% Spot	Blue (dry)	Blue (dry)	Blue (dry)	Lavender (spot value) $\Delta \geq 10\% \text{ hue}$	Pink (wet)

Note: Other color schemes may be used

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Application: During goods storage or transport Humidity Indicator Cards (HIC) are used inside packages to quantify the humidity levels, verify desiccant effectiveness and ensure the packaging integrity.

How to read them: Place the HIC in the environment you need to control.
Wait at least about 1 hour (depending on RH%)
Each indicating spot will change color from BLUE to PINK once the indicated RH% is exceeded.

Precautions:

- Keep the product in a dry and sheltered area with temperature above 0°C.
- Keep the HIC together with their original packaging.
- HIC should be read immediately after removal from MBB.
- Don't touch indicating spots. Contact with skin may reduce accuracy.
- Don't expose HIC to chemicals to preserve its accuracy.
- Do not open the HIC packaging before use.
- Do not expose the HIC to high RH levels before use; this may reduce accuracy.

Warnings: Avoid direct metal contact.

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