



## Technical data sheet: TDS16

### HIC 10.20.30.40.50.60

Product: Cobalt Dichloride Free Humidity Indicator Cards

Rev. A. 02/07/2012

**Product facts:** Humidity indicator Card is an "article" made with paper on which a moisture-sensitive chemical is printed such that the indicator spot will change colour from blue to pink when the indicated Relative Humidity level is exceeded.

**Cobalt Dichloride free humidity indicator cards.**



- Shape: rectangular paper card.
- Size: 105 mm X 37 mm  $\pm$  3 mm.
- Paper: blotting white paper.
- RH indicated percentages: 10%- 20%-30%-40%-50%-60%
- Colour Change: Blue (DRY) to Pink (WET).
- Chromatic response: the spot changes its colour from blue to pink when the humidity is higher than indicated percentage.
- Time of response: 1 or 2 hours (depending on the environmental RH%).

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

**Use:** Place the HIC in the environment where you need to control the Relative Humidity. Wait at least 1 or 2 hours (depending on RH%). Each indicating spot will change colour from Blue to Pink once the indicated RH% is exceeded.  
The measured Relative Humidity Percentage is the one indicated by the spot that is about to change from Blue to Pink.

**Precautions:**

- Keep the product in a dry and sheltered area with temp. above 0°C.
- Keep the HICs in their original packaging.
- HIC should be read immediately after removal from MMB.
- Do not touch indicating spots. Contact with skin may reduce HIC's accuracy.
- Do not expose HIC to chemicals to preserve its accuracy.
- Do not open the HIC packaging before use.
- Do not expose HIC's to high RH Levels before use: this may reduce its accuracy.
- The HIC could be reactivated backing at max 50°C (122 F)
- Avoid contact between the coloured spots and ferrous metals.

**Shelf life:** If the product is stored in the original packaging, we suggest to use it within three years.

**Conformity:** The product is in conformity with RoHS Directives EC, and Directive 94/62 EC. None of the following materials are present in the raw materials or intentionally added during production: lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB) or polybrominated diphenyl ethers (PBDE).

The "Article" contains Cobalt Bromide. In conformity with REACH Regulation, the article does not contain SVHC substances meeting the Article 57 criteria and identified in accordance with Article 59.

The Humidity Indicator Cards do not contain substances for intended release as defined in REACH Regulation 1907/2006, Article 7.1 (b).

**Manufacturer Disclaimer :** The information presented herein is believed to be accurate but is not warranted. Users are advised to confirm that the information is current,