

DATA SHEET

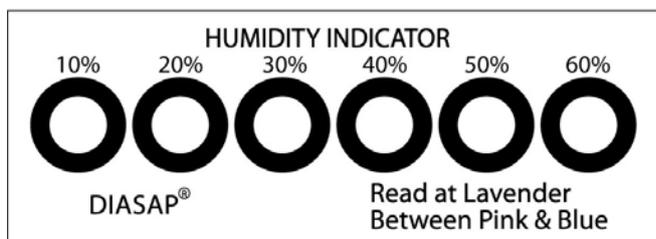
1. Product Description

Name	Humidity Indicator Card (blue to pink)
Type	10-20-30-40-50-60% (Six dots)

2. Product Composition

Name	Water-Absorbing Paper	Indicator
Composition	Fibrous Material	Color-changing agent

3. Product picture for reference



4. Size & Packing Information

Card Size	103mm*37mm*0.5mm	
Packing Way	200pcs/can, 24cans/ctn	
Name	Size	Material
Can	φ 109mm*158mm	tinplate
Carton	460mm*350mm*360mm	Corrugated Carton

5. Quality Testing Method

Static Alternation Testing Method is the most frequently-used method in testing the humidity sensitivity.

6. Standards

IPC/JEDEC J-STD-033B

7. Quality Requirements

Indicator dots need be sensitive to environment humidity changing and change color accordingly. See bellows:

Condition	Dots Color
Temp. $73.5 \pm 2^{\circ}$ F (R.H. > 5%)	Pink
Temp. $73.5 \pm 2^{\circ}$ F (R.H. < 5%)	Blue

8. Testing Information

8.1 Testing Equipment: Temperature and humidity chamber. The chamber should have some transparent part

through which users can observe inside HIC testing procedures. If the chamber is not transparent or just translucent, the chamber should have enough big window for observation.

8.2 Procedures notes

8.2.1 The samples need be hung in the chamber for convenient observation from outside.

8.2.2 In the condition that RH is $5\% \pm 1\%$ lower than the critical RH indicated on the HIC and temperature is $73.5 \pm 2^\circ\text{F}$ ($23 \pm 1^\circ\text{C}$), samples should be kept in this static air environment for 24 hours and indicator should change a little color. If it hasn't any change in color or change completely into pink color, it shows the indicator is unqualified.

8.2.3 Repeat 8.2.2.

8.2.4 Dots which can meet 8.2.2 and 8.2.3 are regarded as humidity sensitivity qualified.

9. Storage

Store HIC in dry and cool warehouse, avoid direct sunlight and high humidity especially water leaching. The proposed storage life is less than one year.

10. Using instruction

10.1 Don't touch the indication circle when using HIC.

10.2 Take out proper quantity users need each time and avoid exposure in the air for long time (more than 5 min). When the circle changes color (into pink) before being used, please dry them into totally blue color and use them then. (Baker: temperature $80 \sim 90^\circ\text{C}$ for 10~15 min)

10.3 If users cannot use out the whole can of HIC one time off, please put them back and seal it. When users open metal can three times, we suggest changing the desiccant inside.

10.4 The packing material must be sealed before using HIC. It is better to have desiccant inside. For some special customers who have very high requirement, we can use aluminum foil bag to pack HIC after communicating with customers about the cost rising.

10.5 Suggestion: The ideal using condition is that users prepare a small constant temperature baker and set the temperature range $75 \sim 90^\circ\text{C}$. Put some HIC users will use into baker and ensure the HIC with a warm package condition, which will avoid HIC absorbing humidity during working operation.