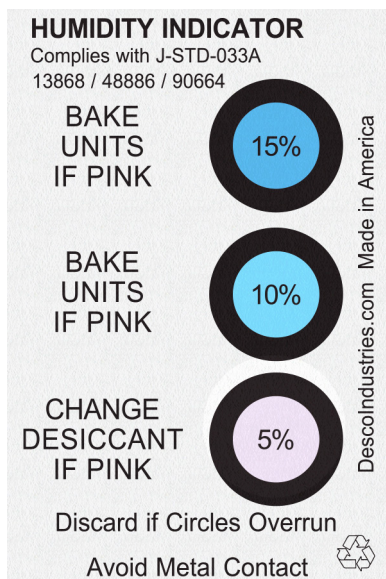




"Humidity Indicator Card (HIC) A card on which a moisture-sensitive chemical is printed such that it will change color from blue to pink when the indicated relative humidity is exceeded. This is packed inside the moisture-sensitive bag, along with the desiccant, to aid in determining the level of moisture to which the moisture-sensitive devices have been subjected."
[J-STD- 033A section 1.5.7]

Unless otherwise noted, tolerance is $\pm 10\%$
Specifications and procedures subject to change without notice.

HUMIDITY INDICATOR CARDS

An integral part of a complete moisture barrier packaging assembly is the Humidity Indicator Card. High relative humidity can cause significant, possibly irreparable damage to sensitive equipment, supplies and products. To ensure dehydration measures work, humidity indicator cards measure the relative humidity (RH) inside sealed packages to allow immediate visual inspection of whether it has sustained unsafe humidity levels.

Humidity Indicator Cards are sold in cans of 125 each. The 5.1 cm x 7.6 cm blotting paper cards indicate relative humidity. Humidity Indicator Cards should be inserted and sealed within a Moisture Barrier Bag with the desiccant packs. Our HICs' chemistry formula involves a cobalt compound, but no sulphur compounds.

Item	Unit Size	Std. Package	Relative Humidity
90664	5.1 cm x 7.6 cm Card	125 pieces/can	5/10/15

The [90664](#) Humidity Indicator Card meets the requirements of MIL-I-8835 and IPC/JEDEC J-STD-033A.

Application

1. The Humidity Indicator Card spots will change from blue (dry condition) to pink (humid condition) as the relative humidity changes in the surrounding of the indicator.
2. Relative humidity is indicated at the lavender colour.
3. Indicator spots will change within eight hours of being exposed to a change in relative humidity.
4. The Humidity Indicator Spots are reversible, and the pink spots will change back to blue when the volume of air is dried. Humidity Indicator Cards with pink or lavender spots can be returned to a blue colour by placing indicators cards in a sealed container with 33 grams (1 unit) of desiccant for four hours.
5. The highest Humidity Indicator spot should be blue before being put into use.
6. The Humidity Indicator Card will be at its most accurate at a temperature of 23 °C (73 °F).
7. Avoid contact with indicator spots. Wash any irritated areas with clean water.

Handling

1. Store Humidity Indicators in original container with desiccant when possible and keep sealed. Never use a new Humidity Indicator Card if it has already changed colour from blue.
2. Replace desiccant bag after three openings of container.
3. Store in dry, cool area.
4. Keep Humidity Indicator Cards out of direct sunlight.
5. Keep Humidity Indicator Cards away from water or steam.
6. Ammonia gases will damage Humidity Indicator Cards.



Made in the
United States of America

Humidity Indicator Cards (HIC)

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Drawing Number
90664.E

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December
2021