



pH TEST STRIPS

INDICATES ACIDITY/ALKALINITY OF DRILLING FLUID

MATRIX® CERTIFIED
TESTING EQUIPMENT

PRODUCT DATA SHEET

The pH indicator strips are used to measure pH in the water source used in the slurry. Visual comparisons of the color of a test solution with a standard color chart provides a means to measure pH accurate to the nearest whole number. The paper strip soaks up the liquid and the indicator dye in the strip changes color. Solutions with a pH less than 7 are acidic and solutions with a pH greater than 7 are basic or alkaline. Pure water has a pH very close to 7. The ideal pH of a drilling slurry in the excavation is 9.0 to 10.0. The pH test strips are packaged 100 to a box.

NOTE: High salt water content and deeply colored dark fluids can cause interferences which make it difficult to recognize the pH strip dye color.



| ACID TABLE | | |
|------------|---------------|---|
| 10,000,000 | pH = 0 | Battery Acid Strong Hydrofluoric Acid |
| 1,000,000 | pH = 1 | Hydrochloric Acid Secreted by Stomach Lining |
| 100,000 | pH = 2 | Lemon Juice, Gastric Acid, Vinegar |
| 10,000 | pH = 3 | Grapefruit, Orange Juice, Soda |
| 1,000 | pH = 4 | Acid Rain, Tomato Juice |
| 100 | pH = 5 | Soft Drink, Water, Black Coffee |
| 10 | pH = 6 | Urine, Saliva |
| 1 | pH = 7 | "Pure" Water |

| ALKALINITY TABLE | | |
|------------------|----------------|-------------------------------------|
| 1 | pH = 7 | "Pure" Water |
| 1/10 | pH = 8 | Sea Water |
| 1/100 | pH = 9 | Baking Soda |
| 1/1,000 | pH = 10 | Great Salt Lake Milk Of Magnesia |
| 1/10,000 | pH = 11 | Ammonia Solution |
| 1/100,000 | pH = 12 | Soapy Water |
| 1/1,000,000 | pH = 13 | Bleaches Oven Cleaner |
| 1/10,000,000 | pH = 14 | Liquid Drain Cleaner |



PROCEDURE

1. Dip the pH test strip into sample to be tested.
2. Remove the indicator strip after 5 seconds.
3. Determine the pH value by comparing the four color squares on the test strip with the reference colors on the strip box.
4. Record the pH to the nearest 0.5 pH.

AVAILABILITY

The pH Test Strips can be purchased through any MATRIX Construction Products Representative.
Orders@matrixcp.com



The information contained herein is believed to be accurate and reliable. MATRIX Construction Products, LLC (MATRIX) accepts no responsibility for the results obtained through application of this product. MATRIX reserves the right to update information without notice. For most current information see our website matrixcp.com.

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