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United Scientific 1216X49PK

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Model: 1216X49PK

1. INTRODUCTION

The United Scientific Supplies LPB100 Blue Litmus Paper is designed for general qualitative testing of acidity in solutions. Litmus paper is a pH indicator that changes color in response to the acidity or alkalinity of a substance. Blue litmus paper specifically indicates the presence of an acid by changing color from blue to red. It remains blue in neutral or alkaline solutions.

This product contains 100 strips of blue litmus paper, provided in a matching color plastic vial for convenient storage and dispensing.

2. SAFETY INFORMATION

- Always handle litmus paper with clean, dry hands or forceps to avoid contamination.
- Do not ingest litmus paper or any solutions being tested.
- Wear appropriate personal protective equipment (PPE), such as gloves and eye protection, when handling unknown or potentially hazardous substances.
- Keep out of reach of children and pets.
- Dispose of used litmus paper according to local regulations for chemical waste, especially if it has come into contact with hazardous materials.

3. SETUP

No complex setup is required for using blue litmus paper. Simply ensure you have the following:

- The vial of United Scientific Supplies LPB100 Blue Litmus Paper.
- The solution or substance you wish to test.
- A clean, dry surface for testing.



Figure 1: Vial containing United Scientific Supplies Blue Litmus Paper strips.

Before use, open the vial and carefully remove one strip of litmus paper. Ensure the remaining strips are not exposed to air or moisture unnecessarily.

4. OPERATING INSTRUCTIONS

4.1 Testing a Liquid Solution

1. Carefully remove one strip of blue litmus paper from the vial.
2. Dip a small portion of the litmus paper strip into the liquid solution you wish to test. Ensure the paper is sufficiently wetted.
3. Remove the strip from the solution and observe any color change immediately.

4.2 Testing a Gas

To test a gas, moisten a strip of blue litmus paper with distilled water. Hold the moistened strip in the presence of the gas. Observe any color change.

4.3 Interpreting Results

- **If the blue litmus paper turns red:** The solution or gas is acidic (pH approximately 4.5 or lower).
- **If the blue litmus paper remains blue:** The solution or gas is neutral or alkaline (pH approximately 4.5 or higher).

Note: Blue litmus paper provides a qualitative indication of acidity. It does not provide a precise pH value. For precise pH measurements, a pH meter or universal indicator paper with a color chart is required.

5. MAINTENANCE AND STORAGE

- Always reseal the plastic vial immediately after removing a strip to protect the remaining paper from moisture and atmospheric contaminants.

- Store the litmus paper in a cool, dry place, away from direct sunlight, heat, and chemical fumes.
- Avoid storing near acids or bases, as their vapors can affect the paper's sensitivity and accuracy.
- Proper storage ensures the longevity and accuracy of the litmus paper.

6. TROUBLESHOOTING

6.1 Paper Does Not Change Color

- **Possible Cause:** The solution being tested is neutral or alkaline.
- **Solution:** This is the expected result for non-acidic solutions. Blue litmus paper will only turn red in the presence of an acid.
- **Possible Cause:** The litmus paper is old, contaminated, or improperly stored.
- **Solution:** Ensure the paper is stored correctly (see Section 5). Try a fresh strip from a newly opened vial or a known acidic solution to verify functionality.

6.2 Product Image Shows Red and Blue Litmus Paper, but Only Blue Was Received

- **Clarification:** This specific product, United Scientific Supplies LPB100, is for **blue litmus paper only**. The product title and description confirm it is a pack of 100 blue litmus strips. Any images depicting red litmus paper are for illustrative purposes of litmus paper in general and do not reflect the contents of this specific product.
- **Action:** If you require red litmus paper or universal pH paper, please ensure you order the correct product specifically labeled as such.

7. SPECIFICATIONS

Feature	Detail
Model Number	1216X49PK
Brand	United Scientific
Paper Type	Blue Litmus Paper
Sheet Count	100 strips
Paper Dimensions	2 x 0.25 inches (approx. 5.08 cm x 0.64 cm)
Item Weight	0.352 ounces (approx. 10 grams)
Material	Paper
Manufacturer	United Scientific Supplies

8. WARRANTY AND SUPPORT

Specific warranty information for the United Scientific Supplies LPB100 Blue Litmus Paper is not provided in the available product data. For inquiries regarding warranty, returns, or product support, please contact United Scientific Supplies directly or refer to the retailer's return policy where the product was purchased.

