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> Science4you 100 Scientific Experiments Kit - The Little Chemist (Model 80004843) Instruction Manual

Science4you 80004843

Science4you 100 Scientific Experiments Kit

THE LITTLE CHEMIST - MODEL 80004843

Introduction

Welcome to the world of scientific discovery with the Science4you 100 Scientific Experiments Kit! This kit provides a comprehensive set of tools and instructions for conducting 100 exciting experiments in chemistry and physics. Designed to stimulate curiosity and encourage hands-on learning, this kit is suitable for children aged 8 years and above. Please read this manual carefully before beginning any experiments to ensure a safe and enjoyable experience.

Sperimenta un divertimento senza fine e prova 100 esperimenti!



Image: A visual representation of the kit's contents, highlighting the variety of tools and the online educational book access.

- Online Educational Book (accessed via QR code)
- Laboratory Bench
- Wooden Spatulas
- Paper Filters
- Balloons
- Safety Goggles
- Test Tubes
- Measuring Cups
- Pipettes
- Various chemical reagents (as specified in the online manual)
- And other essential accessories for experiments.

Getting Started & Online Manual Access

This kit utilizes an online educational book for detailed instructions on all 100 experiments. To access the online manual:

1. Locate the QR code provided within your kit packaging or on one of the included components.
2. Scan the QR code using a smartphone or tablet.
3. Follow the on-screen instructions to access the comprehensive online educational book.

The online manual contains step-by-step guides, safety precautions specific to each experiment, and explanations of the scientific principles involved.

Operating Instructions

Each experiment in the Science4you kit has specific instructions detailed in the online educational book. Always refer to the online manual for precise steps, required materials, and safety warnings for each

activity.



Image: Examples of experiments: Strawberry DNA extraction, colored foams, volcanic eruption, and fingerprint analysis.



Image: More experiment examples: Chromatography flowers, mixing colors, crazy slime, and a chemical rocket.



Image: Further experiment examples: pH testing, chemical reaction producing gas, plant growth, and crystal formation.

General guidelines for operating the kit:

- **Preparation:** Gather all necessary kit components and any additional household items before starting an experiment. Ensure your workspace is clean and protected.
- **Follow Instructions:** Adhere strictly to the steps outlined in the online manual. Do not deviate from the instructions.
- **Observation:** Pay close attention to the reactions and changes during the experiment. This is key to understanding the scientific principles.
- **Documentation:** Consider keeping a science journal to record your observations, hypotheses, and conclusions for each experiment.

Maintenance

- **Cleaning:** After each experiment, clean all reusable components (e.g., test tubes, spatulas, measuring cups) with warm water and mild soap. Rinse thoroughly and allow to air dry completely before storing.
- **Storage:** Store all kit components in their original packaging or a designated container in a cool, dry place, away from direct sunlight and extreme temperatures. Ensure all chemical reagents are properly sealed.
- **Disposal:** Dispose of used or leftover chemical reagents and waste materials as instructed in the online manual and according to local environmental guidelines. Never pour chemicals down the drain unless explicitly stated as safe.

Troubleshooting

If you encounter issues while performing experiments, consider the following:

- **Experiment Not Working:** Review the instructions in the online manual carefully. Ensure all steps were followed precisely and the correct quantities of materials were used. Check for any missing components or expired reagents.
- **Safety Concerns:** If you have any safety concerns or an unexpected reaction occurs, stop the

experiment immediately and consult an adult. Refer to the safety guidelines in this manual and the online book.

- **Missing or Damaged Parts:** If any components are missing or damaged upon opening the kit, please contact Science4you customer support.

Specifications

| | |
|---------------------------------------|-------------------------------|
| Brand | Science4you |
| Model Number | 80004843 |
| Product Dimensions (L x W x H) | 5.99 x 38 x 30.15 cm |
| Item Weight | 530 grams |
| Material Type | Plastic |
| Recommended Age | 8 years and above |
| Educational Objective | Sciences (Physics, Chemistry) |
| Number of Experiments | 100 |
| Assembly Required | No |
| Battery Requirement | No batteries needed |

Warranty and Support

Science4you products are manufactured to high-quality standards. For any questions, concerns, or support regarding your Science4you 100 Scientific Experiments Kit, please refer to the contact information provided on the product packaging or the official Science4you website. Please retain your proof of purchase for any warranty claims.