DOST-ITDI develops SRM on electrolytic conductivity

Bicutan, Taguig City— The Department of Science and Technology through its Industrial Technology Development Institute (DOST-ITDI) has developed a new commercial standard reference material (SRM) on electrolytic conductivity (EC).

The SRM sets a new benchmark for conductivity measurement in the country and addresses the growing demand but limited availability of accurate and traceable calibration solutions across various industries, including pharmaceuticals, food and beverage production, and environmental monitoring.

An accurate conductivity tester or meter can ensure product quality, process consistency, and safety, particularly in applications where the properties of aqueous or watery solutions are vital to outcomes.

The commercial EC standard is a trusted tool for industry professionals, research institutions, and calibration laboratories. Its diverse applications include:

1. Water Quality Monitoring in industrial processes, environmental assessments, and laboratory testing;

2. Pharmaceuticals to verify the conductivity of solutions used in drug production, especially injectables and sensitive formulations;

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3. Food and Beverage to maintain product consistency and quality; and

4. Environmental testing to measure water pollution levels and comply with Environmental regulations.

Indeed the SRM on EC marks a leap forward in enhancing the accuracy and reliability of chemical measurements in the Philippines. It underscores DOST-ITDI's dedication to boosting the nation’s metrology infrastructure and supporting its scientific and industrial sectors. (DDGotis; NMD-ITDI\\ ITDI S&T Media Service)