ABOUT US

ROCAS (Research, Outreach, Consulting and Analytical Services) is an initiative of the Department of Chemistry at the University of the West Indies that leverages the wealth of expertise, instrumentation and infrastructure within the Department to provide real-world industrial and academic solutions.

CORE TESTING SERVICES

- Food & Beverage Products
- Environmental Samples
- Commercial Products
- Pharmaceuticals & Insecticidal Products
- Phytochemical & Antioxidant Analyses
- Product Formulation

Opening Hours:

Monday to Friday
8:30 a.m to 4:30 p.m

CONTACT INFORMATION

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ANALYTICAL TESTING SERVICES

Reliable, Efficient and Resourceful Solutions for Academia and Industry

📷 chemistry_rocas
f UWI Chemistry ROCAS

Phytochemical & Antioxidant Testing

- Total Phenolic Content
- Total Flavonoid Content
- Tannins
- Free Radical Scavenging Activity
- Total Antioxidant Capacity

Environmental Testing

- Water, soil and sediment analysis
- Electrical Conductivity
- pH
- Moisture content
- Organic matter
- Toxicity Characterization Leaching Procedure (TCLP)
- Total Hydrocarbon Content
- Essential Elements
- Micronutrients
- Heavy metals
- Particle Size Distribution

Product Formulation

- Consultancy
- Development of Unique Formulations
- Procurement Advice

Food & Beverage Testing

- Moisture
- Insoluble Solids
- Fat
- Ash
- Energy Content
- Sugar Profile
- Alcohol Content
- Preservatives
- Free Fatty Acid Value
- Saponification Value
- Iodine Value
- Peroxide Value
- Essential Elements
- Pesticide Residues
- pH
- Refractive Index
- Fatty Acid Profiling
- Caffeine Profiling
- Organic Acid Determination
- Honey Testing
- Heavy Metals
- Percentage Impurities

Commercial Product Testing

- Alcohol Content in Sanitizers
- Analysis of Bleach

Pharmaceutical & Insecticidal Products

- Determination of Percent Active Ingredients
- Percentage Purity Test