

REQUEST FOR QUOTATION

RFQ Number: Q25/730/LD

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TERMS OF REFERENCE

1. Background

uMngeni - uThukela Water requires a service provider for supply and delivering of a Microwave reaction platform system with rotor for extraction, digestion and leaching for Darvill laboratory

2. Description of goods/ services required

ITEM	SPECIFICATIONS
Microwave reaction platform system	- Versatile and modular microwave reaction platform system for acid digestion and leaching. Can be extended with various rotors for other applications. 2000 W microwave power- in unpulsed mode - IR temperature sensor - for contact-free temperature measurement of all kinds of vessels Cooling unit – fast vessel cooling for high throughput - Method library with more than 500 included methods - SmartLink – remote control for easy connection with your mobile phone or notebook SmartLight – time saving visual interaction - High safety standards – fluoropolymer coated cavity, resealing safety door, corrosion resistant exhaust unit, software interlocks etc. Must Include: Multiwave 5000 50Hz, 1 PCS Rotor includes 20 vessels and 1 PCS SmartTemp Sensor
Preventive Maintenance On-Site	- Check of the instrument and ambient conditions - Instrument cleaning - Replacement of normal wear parts - Inspection of critical components - Adjustments as needed - Performance Verification - Maintenance Report
Safety module	Monitoring unit checks redundantly the safe function of the exhaust system
Magnetic stirrer device	- Software-controlled, variable speed stirring device comes with a magnetic stir bar retriever. - Include stir bars.
Installation	The installation according to the manufacturer's specifications
Training	End User Training on the use of the instrument, proper upkeep and cleaning