CEM Digestion Reference Paper List

RD001 Digestion Safety Concerns Associated with Wet Ashing Samples under Pressure Heated by Microwave Energy

RD002 Rapid Sample Preparation for Determination of Iron in Tissue by CloseDVessel Digestion and Microwave Energy.

RD003 Acid Digestion of Marine Samples for Trace Element Analysis Using Microwave Heating

RD004 Microwave Digestion of Coal Ash for Elemental Ash Analysis

RD005 Wet Microwave digestion of Diet and Fecal Samples for ICP Analysis

RD006 Clean Room and Microwave Digestion Techniques; Improvement in Detection Limits for Aluminum Determination by GF-AAS

RD007 Laboratory Evaluation of Microwave Digestion Systems

RD008 Digestion Determination of Si, Al, Ca, Mg, Fe, Ti, Mn, Individuals of Rare Earth Elements and F in Baotou Ore by Microwave Oven Digestion, ICP, AA and Chemical Analysis Methods

RD009 Determination of Si, Al, Ca, Mg, Fe, Ti, Mn, Cu, Co and Ni in Vanadium-Titanium-Iron Ore by Microwave Oven Digestion, ICP, AA, and Chemical Analysis Methods

RD010 Preliminary Investigation of the Application of Microwave Oven to Digest Environmental Samples for Inorganic Analysis

RD011 Microwave Digestion of Environmental Samples for Trace Metal Analysis

RD012 Recovery Study Using an Elevated Pressure Temperature Microwave Dissolution Technique

RD013 Comparative Determination of Metals in Municipal Wastewater and Sludge using Microwave Heating of Samples in Pressurized Vessels

RD014 Comparison of Digestion Procedures for Determination of Mercury in Soils by Cold Vapor Atomic Absorption Spectrometry

RD015 USEPA-CLP Stmt of Work USEPA Contract Laboratory Program - Statement of Work for Inorganics Analysis

RD016 ICP-OES Evaluation of Microwave Digestion

RD017 Rapid Dissolution of Mineral, Metal and Alloy Samples with the Technique of Sealed Containers in a Microwave Field or How to Reduce Digestion Times by a Factor of from 5 to 50

RD018 Digestion Feasibility Study for Ascertainment of Hair Element Reference

RD019 Microwave Digestion for Total Nitrogen Analysis

RD020 Microwave Energy for Acid Decomposition at Elevated Temperatures and Pressure Using Biological and Botanical Samples

RD021 Validation of a Method for Determining Elements in Solid Waste by Microwave Digestion

RD022 Preparation of Environmental Samples for Metal Analysis Using Microwave Digestion

RD023 Atomic Spectroscopy Advances - Recent Advances in Microwave Sample Preparation

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Microwave Power Calibration Considerations in the Standardization of Sample Preparation Methods

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RD103 General Guidelines for the Acid Digestion of Fish and Shell fish Microwave Digestion/Elemental Analysis

RD104 Concentration of Total A1, Cr, Cu, Fe, Hg, Na, Pb, and Zn in Commercial Canned Seafood Determined by Atomic Spectrometric Means after Mineralization by Microwave Heating

RD105 Determination of Ultra-level Total Mercury in Sediment and Tissue by Microwave Digestion and Atomic Fluorescent Detection

RD106 A Comparison of Mineral Extraction Techniques of Citrus Juices as Analyzed by Inductively Coupled Plasma Atomic Emission Spectrometry

RD107 The Advantages of Using Microwave Sample Preparation Technology in a Buy Environmental Laboratory - Southern Science

RD108 A FieldTransportable Hydride-Generation Atomic Absorption Method for Detection of Arsenic in Soils


RD110 Field Screening of Chromium, Cadmium, Zinc, Copper, and Lead in Sediments by Stripping Analysis

RD111 Manganese and Zinc Analysis in Milk by Microwave Oven Digestion and Platform Graphiet Furnace Atomic Absorption Spectrometry

RD112 Open Vessel Microwave Assisted Sample Preparation for Lead Analysis in Paint Chips, Wipes and Soil

RD113 Latest Microwave Technologies Solve Difficult Sample Preparation Problems

RD114 Microwave Digestion and Alkali Fusion Procedures for the Determination of the Platinum-group Elements and Gold in Geological Materials by ICP-MS,

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RD153 The minimisation of aqua regia cross contamination in PFA and TFM microwave digestin vessels using silver as an indicator

RD154 Beyond The Microwave

RD156 Characterization of pectin, flash extracted from orange albedo by microwave heating, under pressure

RD157 Alkaline CuO Oxidation with a Microwave Digestion System: Lignin analysis of Geochemical Samples

RD158 Closed-vessel microwave acid digestion of commercial maple syrup for the determination of lead and seven other trace elements by inductively coupled plasma spectrometry.

RD159 New Technology for Difficult Digestions

RD160 Determination of arsenic in horse urine using microwave digestion and inductive coupled plasma atomic emission spectrometry

RD161 Microwave assisted digestion of atmospheric aerosol samples followed by inductively coupled plasma mass spectrometry determination of trace elements

RD162 Application of microwave-assisted extraction using micellar media to the determination of polychlorinated biphenyls in marine sediment

RD163 Evaluation of yeast-based selenium food supplements using high performance liquid chromatography and inductively coupled plasma mass spectrometry