
Gravimetric Analysis Usm

Available equipment use keywords Staff CONTACT SAMPLE. Department of Chemistry University of Southern Maine. Syllabus CHY 114 Principles of Chemistry I. The use of principal component and cluster analysis to. Effect of fixed carbon molecular sieve CMS loading and. Department of Chemistry and Biochemistry sites usm edu. Pusat Pengajian Kejuruteraan Bahan amp Sumber Mineral USM. 6 2 Core Courses Level 100 Universiti Sains Malaysia. Welcome to Analytical Chemistry CHY 231. CHARACTERIZATION ON SILICA FROM WASTE SUGARCANE BAGASSE. ANTIHYPERTENSIVE PROPERTIES OF eprints usm my. Comparison Effect of Mica and Talc as Filler in EPDM. Physical and electrical properties of trimetallic nitride. MANUAL OF METHODS OF ANALYSIS OF FOODS. Thermal and Lithographic Performance of Silsesquioxane. Oil Palm Frond Waste for the Production of Cellulose. Mohamad Nasir Mohamad Ibrahim Universiti Sains Malaysia. Malaysian Journal of Microbiology. Effects of Silica Loading on the Absorption of Carbon. Malaysian Journal of Microbiology njm usm my. Preparation and Preliminary Dielectric Characterization. Engineering and Science Office of Research amp Development. Utilization of Malaysia EAF slags for effective. Research Projects Engineering and Science Curtin. Ion Chromatography IC Analysis Innovatech Labs. LIENS Code de la Propriété Intellectuelle articles L 122 4. Physicochemical Studies of Tamarind Shell Tannins as a. Convert microsiemens centimeter ?S cm uS cm It ? gt parts. Thermal Analysis methods principles applicaon. Facilities Universiti Sains Malaysia. Free Analytical Chemistry Books Download Ebooks Online. Thermal behavior and morphological properties of novel. SYNTHESIS CHARACTERIZATION AND BIOLOGICAL ACTIVITY OF. Synthesis of glycerol carbonate from biodiesel by product. KAT 141 3 Analytical Chemistry I Universiti Sains Malaysia. Physicochemical characterization of vancomycin and its. Subramani Shanmugam Universiti Sains Malaysia. A R Azura Universiti Sains Malaysia George Town USM. Course Descriptions University of Southern Maine. Chapter 12 Gravimetric Analysis University of Southern. Comparative study of tribological properties of insulated. RATES OF ADSORPTION OF C02 ON HYDROT ALCITE. Feras Jassim Jirjees. Mohd Shahrul Ridzuan Hamil M Sc in Pharmaceutical. Chapter 1 INTRODUCTION AND BASIC CONCEPTS. Production of High Purity Multi Walled Carbon Nanotubes. Synthesis and Characterization of Bismuth Tantalate Binary. Development and characterization novel bio adhesive for. A Profile of Assoc Prof Dr Lee Keat Teong Chem Eng USM

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November 30th, 2019 - TA Instruments Q5000 TGA Thermo gravimetric analysis TA Instruments Q800 DMA Dynamic Mechanical Analysis Fiber Film Tension Clamp Uster AFIS raw material analysis nep length diameter trash measurements USM Hytronic Cutting Machine Model B sample cutting die cutting Atlas Random Tumble Pilling Tester sample pilling measurement'

'Department of Chemistry University of Southern Maine

December 27th, 2019 - CHY 107 Chemistry for Health Sciences A one semester introduction to general organic and biological chemistry for the health sciences Topics include acids and bases pH chemical kinetics and equilibria the chemistry of organic compounds carbohydrates proteins lipids nucleic acids'

'Syllabus CHY 114 Principles of Chemistry I

January 30th, 2019 - carry out basic wet lab techniques such as precipitation and filtration gravimetric analysis titration and thermochemistry construct calibration curves analyze data and discuss the significance of the results present your results in a clear format prepare a well organized laboratory notebook Evaluation'

'The use of principal component and cluster analysis to

December 28th, 2019 - The Use of Principal Component and Cluster Analysis to Differentiate Banda Aceh Indonesia 2Food Technology Division School of Industrial Technology Universiti Sains Malaysia 11800 USM Pulau Pinang Malaysia 3Environmental Technology Division School of Industrial gravimetric method and the method of Prosky et al'

'Effect of fixed carbon molecular sieve CMS loading and

November 24th, 2019 - The CMS and the developed membranes were characterized by variable pressure field emission scanning electron microscopy VPFESEM and thermal gravimetric analysis TGA FESEM micrographs showed that with the addition of DEA uniform distribution of CMS particles in the PES matrix was achieved with good polymer filler contact'

'Department of Chemistry and Biochemistry sites usm edu

November 27th, 2019 - Name USM ID Score 1 Mixing solutions of Ba SCN 2 and MgSO 4 produces a precipitate of BaSO 4 Shown below are gravimetric analysis Are there any disadvantages 2 3 To determine the amount of magnetite Fe 3 O 4 in an impure ore a 1 5419 g sample is dissolved'

'Pusat Pengajian Kejuruteraan Bahan amp Sumber Mineral USM

December 26th, 2019 - Particle Size Analysis Laser Sizer 150 Zeta Sizer 150 Sieves 100 50 Particle Classification Hydrocyclone 280 run 51 pH value pH meter 30 52 Phase Analysis Not Inclusive of Phase Analysis X ray diffraction XRD 300 53 Plastic Injection Moulding Injection Moulding Machine 300 hr 54 Plastic Mixing Heated Two Roll Mill 125 55'

'6 2 Core Courses Level 100 Universiti Sains Malaysia

November 30th, 2019 - separation of component mixture chemical formula gravimetric analysis of a chloride salt paper chromatography for separation of cations and dyes acid base titration salt in water and pH of buffer solutions determination of the dissociation constant of a weak'

'Welcome to Analytical Chemistry CHY 231

November 20th, 2019 - This is a brief introduction to the Analytical Chemistry course at USM as well as an explanation of how best to prepare for the course'

'CHARACTERIZATION ON SILICA FROM WASTE SUGARCANE BAGASSE

December 25th, 2019 - In order to investigate the suitability of the material several characterization test have been conducted There are thermal microscopic and spectroscopic analyses Thermal gravimetric analysis was performed on sugarcane bagasse to determine the amount of silica that can be extracted from it"ANTIHYPERTENSIVE PROPERTIES OF eprints usm my

October 15th, 2019 - support of Universiti Sains Malaysia USM through providing USM Fellowship My appreciation to Institute of Postgraduate Studies IPS School of Pharmaceutical Sciences 3 3 Gravimetric Analysis of Orthosiphon stamineus Leaves 54 3 3 1 Microscopic'

'Comparison Effect of Mica and Talc as Filler in EPDM

December 15th, 2019 - School of Materials and Minerals Resources Engineering Universiti Sains Malaysia Seri Ampangan 14320 Nibong Tebal Penang Malaysia Received 29 february 2012 Accepted 20 August 2012 SummARy In this work the comparison effect of mica and talc as filler in EPDM composites on curing tensile thermal properties was studied EPDM mineral fillers'

'Physical and electrical properties of trimetallic nitride

December 26th, 2019 - Polyhydroxylated fullerenes C60 OH 29 and Sc3 N C80 OH 18 were synthesized in a high yield through a solid state high sheer ball milling procedure and were characterized using a verity of techniques such as FT R mass spectroscopy MS and thermal gravimetric analysis TGA to elucidate their structures'

'MANUAL OF METHODS OF ANALYSIS OF FOODS

December 25th, 2019 - of Oils Pycnometer method I S I Hand book of Food analysis PartXIII 1984 page 72 5 0 Determination of the Refractive Index 5 1 Definition The ratio of velocity of light in vaccum to the velocity of light in the oil or fat more generally it expresses the ratio between the sine of angle of incidence to the'

'Thermal and Lithographic Performance of Silsesquioxane

November 23rd, 2019 - Siloxane Polymer Research Group School of Materials amp Mineral Resources Engineering Engineering Campus Universiti Sains Malaysia 14300 Nibong Tebal Pulau Pinang Malaysia DSC and thermal gravimetric analysis TGA It shows that chain length of spacer induces flexibility and thermal stability'

'Oil Palm Frond Waste for the Production of Cellulose

December 21st, 2019 - 2 7 Thermal Gravimetric Analysis Thermogravimetric analysis was performed to determine the thermal properties of the OPF fibres for raw and CNC samples The thermal stability data were collected on a Perkin Elmer TGA 7 thermogravimetric analyser under linear temperature conditions The temperature was swept from 50°C to 800°C for samples of 10?'

'Mohamad Nasir Mohamad Ibrahim Universiti Sains Malaysia

October 26th, 2019 - Mohamad Nasir Mohamad Ibrahim Universiti Sains Malaysia School of Chemical sciences Faculty Member Studies Activated carbon adsorption pulp and paper Technology and Lignocellulose Degradation"Malaysian Journal of Microbiology

December 3rd, 2019 - Mal J Microbiol Vol 10 2 2014 pp 119 125 120 ISSN print 1823 8262 ISSN online 2231 7538 biodegradation of blended polymer by fourier transform"Effects of Silica Loading on the Absorption of Carbon

November 26th, 2019 - through a thermal gravimetric analysis TGA The liquid entry pressure of the membranes LEP w was measured by a porometer using the bubble point method 6 The morphology of the membranes was observed using field emission scanning electron microscope FESEM SUPRA TM 35vp Zeiss Germany EDX surface mapping for the top surface of the MMMs'

'Malaysian Journal of Microbiology mjm usm my

November 13th, 2019 - of prodigiosin Gravimetric analysis For every harvesting period the growth was determined by recording the optical density of the culture using spectrophotometer Darabpour et al 2012a Firstly the supernatant and cell pellet were separated by centrifugation 4000 rpm for 15 min The supernatant'

'Preparation and Preliminary Dielectric Characterization

December 17th, 2019 - Fullerene containing materials have the ability to store and release electrical energy Therefore fullerenes may ultimately find use in high voltage equipment devices or as super capacitors for high electric energy storage due to this ease of manipulating their excellent dielectric properties and their high volume resistivity A series of

'Engineering and Science Office of Research amp Development

December 19th, 2019 - Metabolic Control Analysis and Process Engineering of Ethanol Production from Agricultural Products using Extractive Fermentation Technology Dr Jobrun Nandong Funded by the Ministry of Science Technology and Innovation Remote Access Power Systems RAPS Dr Bijan Rohani Nabil Afifi Hor Hen Son Balakrishna Singam'

'Utilization of Malaysia EAF slags for effective

December 28th, 2019 - The weight loss of the slag was obtained from the curve analysis of the thermo gravimetric with the range from 25 ? 1000 °C The carbonated material decomposed at 700 °C as shown in Fig 7 a b and c for various L S ratio USM Fell Symp Pulau Pinang Malaysia 2011 Google Scholar'

'Research Projects Engineering and Science Curtin

December 22nd, 2019 - Engineering and Science Ongoing Externally Funded Research Projects Development of a Compartmented Fluidized Bed Gasifier for Syngas Production and Power Generation from Biomass Palm Wastes Dr Chua Han Bing Chok Vui Soon Wee Siaw Khur Dr Hongming Yan and Dr Chandrasekar Srinivasakanaan Funded by the Ministry of Science Technology and'

'Ion Chromatography IC Analysis Innovatech Labs

December 27th, 2019 - IC analysis uses a High Performance Liquid Chromatography HPLC system equipped with a conductivity detector to separate anions or cations The ions in a sample are moved through the system in solution and then the various ions are separated in a column with an ion exchange resin'

'LIENS Code de la Propriété Intellectuelle articles L 122 4

November 14th, 2019 - 3 2 5 1 Thermal gravimetric analysis 79 3 2 5 2 Differential scanning calorimetry 81 3 2 6 Figure 2 1 An overview of lignin extraction at Universiti Sains Malaysia 47 and Universite de Lorraine with mass balance w w used for corrosion study'

'Physicochemical Studies of Tamarind Shell Tannins as a

December 17th, 2019 - calorimetry DSC thermal gravimetric analysis TGA and phytochemical assays were applied to examine tamarind shell tannins The analyses revealed that the methanol extract of tamarind shell TME was rich in phytochemical compounds compared to that of aqueous acetone extract of tamarind shell TAE Furthermore the FTIR and NMR'

'Convert microsiemens centimeter ?S cm uS cm lt ? gt parts

December 28th, 2019 - The second method is not as accurate as the gravimetric analysis However the conductivity method is the most convenient useful widespread and fastest method because it is a simple measurement of conductivity and temperature which can be done in seconds by means of a low cost device'

'Thermal Analysis methods principles applicaon

December 26th, 2019 - Thermal Analysis methods principles applicaon Andrey Tarasov Lecture on Thermal analysis 26 16 2012 Andrey Tarasov Thermal analysis Lecture series heterogeneous catalysis FHI MPG 26 10 12'

'Facilities Universiti Sains Malaysia

December 11th, 2019 - Thermal Gravimetric Analyzer TGA Dynamic Mechanical Analyzer Heat Distortion Temperature HDT iv Chemical analysis Fourier Transform Infrared Ray Spectroscopy FTIR High Resolution Multi Technique X Ray Spectrometer XPS Universiti Sains Malaysia Engineering Campus 14300 Nibong Tebal Seberang Perai Selatan P Pinang MALAYSIA'

'Free Analytical Chemistry Books Download Ebooks Online

December 28th, 2019 - Analytical Chemistry Books This section contains free e books and guides on Analytical Chemistry Quantitation And Calibration Methods Titration Gravimetric Analysis Acid base Titration Precipitation Titrations Complexometric Titrations Author s Wan Norfazilah Wan Ismail"Thermal behavior and morphological properties of novel

November 20th, 2019 - The thermal behavior of the dried magnesium salt?polyacrylamide composite polymers has been studied Differential scanning calorimetric DSC

analysis and thermal gravimetric analysis TGA were carried out to investigate the changes of the composite polymers behavior with temperature'*SYNTHESIS CHARACTERIZATION AND BIOLOGICAL ACTIVITY OF*

October 15th, 2017 - synthesis characterization and biological activity of organotin compounds derived from organic acids yip foo win universiti sains malaysia 2009 synthesis characterization and biological activity of organotin compounds derived from organic acids by yip foo win 2 2 3 tin gravimetric analysis 45 2 2 4 fourier transform infrared' **'Synthesis of glycerol carbonate from biodiesel by product**

December 3rd, 2019 - Synthesis of glycerol carbonate from biodiesel by product glycerol over calcined dolomite pdf" **KAT 141 3 Analytical Chemistry I Universiti Sains Malaysia**

November 7th, 2019 - chemical equilibrium acid base equilibrium and titration complexometry equilibrium and titration gravimetric analysis and precipitation titration redox equilibrium and titration Topic Content Number of lecture hours Expected outcome ? upon completion of this course the student should be able to 1'

'Physicochemical characterization of vancomycin and its

December 7th, 2019 - Physicochemical characterization of vancomycin and its complexes with β cyclodextrin MS Zarif1 AR Afidah2 JM Abdullah1 AR Shariza3 1Department of Neurosciences School of Medical Sciences Universiti Sains Malaysia 16150 Kubang Kerian Kelantan Thermogravimetric analysis TGA The thermal gravimetric analysis was performed'

'Subramani Shanmugam Universiti Sains Malaysia

December 22nd, 2019 - Liquefaction Study in Aceh Besar and Banda Aceh Indonesia On 29th April to 5th May 2019 Geophysics research group from USM took geophysical imaging onto international level with primary aim is to detect potential liquefaction risks in Aceh Besar and Banda Aceh Indonesia'

'A R Azura Universiti Sains Malaysia George Town USM

November 22nd, 2019 - A R Azura of Universiti Sains Malaysia George Town USM Read 112 publications and 5 0mol AGU The final amino functional starch ANS was characterized by Fourier Transform Infrared FTIR analysis to observe the emerging of several significant peaks to verify the grafted cyano CN functional group The degree of substitution DS'

'Course Descriptions University of Southern Maine

December 21st, 2019 - CHY 107 Chemistry for Health Sciences A one semester introduction to general organic and biological chemistry for the health sciences Topics include acids and bases pH chemical kinetics and equilibria the chemistry of organic compounds carbohydrates proteins lipids nucleic acids"Chapter 12 Gravimetric Analysis University of Southern

November 24th, 2019 - Chapter 12 Gravimetric Methods of Analysis gravi ? metric weighing measure Features of Gravimetric Analysis ?A given analyte is isolated from the sample and weighed in some pure form ?One of the most accurate and precise methods of macro quantitative analysis ?One of the oldest methods known before 1810'

'Comparative study of tribological properties of insulated

December 4th, 2019 - 3 2 Thermo gravimetric analysis In order to analyze the thermal stability of the PI composites Fig 5 shows the similarity of the thermo gravimetric analysis curves of two kinds of materials from 40 °C to 800 °C The decomposition temperature of the composites mainly depends on the polyimide matrix 564 °C 19" **RATES OF ADSORPTION OF CO₂ ON HYDROT ALCITE**

December 16th, 2019 - RATES OF ADSORPTION OF CO₂ ON HYDROT ALCITE by NADIA BINTI ISA 4 3 1 Rates of adsorption of CO₂ on hydrotalcite powder 4 3 2 Rates of adsorption of CO₂ on hydrotalcite pellets Figure 4t3 Thermo gravimetric analysis of fresh commercial 93 hydrotalcite Figure 4 4 XRD pattern ofhydrotalcite' **'Feras Jassim Jirjees**

December 26th, 2019 - gravimetric analysis TGA dynamic light scattering DLS NMR and scanning electron microscopy SEM **OTHER SKILLS Performing routine administrative tasks associated with the research project e g preparing regular research reports including results and suggestions Excellent communication skills" Mohd Shahrul Ridzuan Hamil M Sc in Pharmaceutical**

November 23rd, 2019 - Mohd Shahrul Ridzuan Hamil of Universiti Sains Malaysia George Town USM Universiti Sains Malaysia This study aim to evaluate gravimetric parameters and physicochemical of raw materials of Orthosiphon stamineus in order to ascertain the quality of plant materials and achieved standardized material'

'Chapter 1 INTRODUCTION AND BASIC CONCEPTS

December 10th, 2019 - Note that for an ideal gas mixture the mole fraction the pressure fraction and the volume fraction of a component are identical The composition of an ideal

gas mixture such as the exhaust gases leaving a combustion chamber is frequently determined by a volumetric analysis Orsat Analysis'

'Production of High Purity Multi Walled Carbon Nanotubes

November 30th, 2019 - obtained from Thermal Gravimetric Analysis TGA while the structure and morphology of carbon nanotubes were characterized using Scanning Electron Microscopy SEM and Transmission Electron Microscopy TEM TEM and SEM showed that the structure of the carbon nanotubes was not damage after purification using oxidation followed by sulfuric acid"

Synthesis and Characterization of Bismuth Tantalate Binary

December 17th, 2019 - Synthesis and Characterization of Bismuth Tantalate Binary Materials for Potential Application in Multilayer Ceramic Capacitors MLCC K B Tan F G Anna and Z Zainal Chemistry Department Faculty of Science Universiti Putra Malaysia 43400 Serdang Malaysia Corresponding author tankb science upm edu my'

'Development and characterization novel bio adhesive for

October 28th, 2019 - Thermal gravimetric analysis TGA USM using Instron UTM 5582 for triplicate and the average value was recorded 3 Results and discussion The percent yield obtained for Kraft lignin 14 60 was found to be higher than the percent yield of soda lignin 12 44"

A Profile of Assoc Prof Dr Lee Keat Teong Chem Eng USM

December 16th, 2019 - Mustakimah Mohamed Nor Adilla Rashidi Suzana Yusup Lee Keat Teong Umer Rashid Razol Mahari Ali ?Effects of experimental variables on conversion of cockle shell to calcium oxide using thermal gravimetric analysis? Journal of Cleaner Production Elsevier Vol 37 2012 pp 394 397'

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