

Thermochimica Acta 285 (1996) 389-395

thermochimica acta

Subject index

α-Nitroso-β-naphthol

Thermal decomposition kinetics of naphthoquinoneoxime and its complexes with iron(III), silver(I) and lead(II) 119

α-Amino carboxylic acid ester

Geminale Substituenteneffekte. Teil 13. Standardbildungsenthalpien von alkylsubstituierten α -Amino-carbonsäureestern 1

β -Lactoglobulins (A and B)

The thermodynamic stability of the different forms of β -lactoglobulin (A and B) to sodium n-dodecyl sulphate 221

Aerobacter aerogenes

Kinetics of action of Schiff bases on Aerobacter aerogenes as studied by microcalorimetry 181 nth order reaction

Thermogravimetry. Analysis of the parameters of the DTG maximum 57

Acetic anhydride

Applications of reaction calorimetry in reaction kinetics and thermal hazard evaluation 67

Acid detergent fibre (ADF)

Compositional analysis of neutral detergent, acid detergent, lignin and humus fractions of mushroom compost 211

Active alumina

The thermal dissociation of basic aluminiumpotassium sulphate in an atmosphere of hydrogen and carbon monoxide 81

Adducts

Thermochemical data for adducts of -caprolactam with zinc(II) family metal halides 289

The study of the glass transition in novolac resin by partial thermally stimulated depolarization current 231

Ammonium perchlorate

Thermal decomposition of cubic ammonium perchlorate—the effect of barium doping 269

Aqueous solution

A new flow calorimeter designed for operation to 450°C and 50 MPa 11

Biguanidinium perchlorate

A study of the thermal decomposition of biguanidinium perchlorate using thermogravimetry and mass spectroscopy 109

Boundary interphase

Thermodynamic characterization of segmented polyurethanes 155

Calcined chromia

Temperature-programmed reduction of calcined chromia-coated alumina and silica catalysts: probing chromium (IV)-oxygen species 167

Calorimetry

Testing the kinetic and thermal parameters for the cure of an unsaturated polyester 277

Carbothermic

Reduction of tungsten oxides with hydrogen and with hydrogen and carbon 361

Chromia

Temperature-programmed reduction of calcined chromia-coated alumina and silica catalysts: probing chromium (IV)-oxygen species 167

Chromia/alumina

Temperature-programmed reduction of calcined chromia-coated alumina and silica catalysts: probing chromium (IV)-oxygen species 167

Chromia/silica

Temperature-programmed reduction of calcined chromia-coated alumina and silica catalysts: probing chromium (IV)-oxygen species 167

Citrate

Thermal decomposition of hexahydrated nickel iron citrate 325

Coal

Effect of mineral matter on the burning profile of lignites 35

Compatibility

Application of differential scanning calorimetry to the study of drug-excipient compatibility 337

Compensation phenomenon

The study of the glass transition in novolac resin by partial thermally stimulated depolarization current 231

Compensation

Dipolar relaxations in a side-chain polyacrylate liquid crystal. A study by thermally stimulated currents 347

Complexes

Thermal decomposition kinetics of naphthoquinoneoxime and its complexes with iron(III), silver(I) and lead(II) 119

Copolymer

Miscibility and phase separation study of blends of random copolymers of poly-[ortho(para)-fluorostyrene-co-ortho(para)-bromostyrene] with phenylsulphonylated poly-(2,6-dimethyl-1,4-phenylene oxide) copolymers by thermal methods 141

Cr2As

Heat capacity and thermodynamic properties of Cr₂As from 5 to 1000 K 25

Critical heat transfer

Applications of reaction calorimetry in reaction kinetics and thermal hazard evaluation 67

Crown ethers

Enthalpic and volume effects in the interaction of D-glucose with crown ethers in water 253

Cure kinetics

Testing the kinetic and thermal parameters for the cure of an unsaturated polyester 277

Cyclic ligand complexes

Thermal and stereochemical studies of some cyclic ligand complexes of palladium(II) in the solid state 191

Decomposition kinetics

Thermal decomposition kinetics of naphthoquinoneoxime and its complexes with iron(III), silver(I) and lead(II) 119

Decomposition

Thermal decomposition of cubic ammonium perchlorate—the effect of barium doping 269

Dielectric relaxation

Dipolar relaxations in a side-chain polyacrylate liquid crystal. A study by thermally stimulated currents 347

Differential thermal analysis

A study of the thermal decomposition of biguanidinium perchlorate using thermogravimetry and mass spectroscopy 109

Dilatometry

Dilatometric determination of phase transition

temperatures and oxidation temperatures on the compounds $SrMnO_{3-y}$ and Sr_2MnO_{4-y} .

Doping

Thermal decomposition of cubic ammonium perchlorate—the effect of barium doping 269 DSC

Application of differential scanning calorimetry to the study of drug-excipient compatibility 337

Kinetic studies on the thermal dehydration of 4-aminopyridinium(1,2-dithiooxalato-S,S') metalate(II) dihydrate complexes (M = Ni, Pd and Pt) 47

Miscibility and phase separation study of blends of random copolymers of poly-[ortho(para)-fluorostyrene-co-ortho(para)-bromostyrene] with phenylsulphonylated poly-(2,6-dimethyl-1,4-phenylene oxide) copolymers by thermal methods 141

DTA

Thermal studies of 2-aminoethanol complexes of nickel (II) in the solid state 99

DTG maximum

The mogravimetry. Analysis of the parameters of the DTG maximum 57

DTG

Compositional analysis of neutral detergent, acid detergent, lignin and humus fractions of mushroom compost 211

Effect of mineral matter on the burning profile of lignites 35

Electron transfer

Thermal decomposition of cubic ammonium perchlorate—the effect of barium doping 269

Elemental analysis

Synthesis, characterization and the thermal decomposition of calcium(II)bis(oxalato)calcium(II)dihydrate 301

Energetic interactions.

Geminale Substituenteneffekte. Teil 13. Standardbildungsenthalpien von alkylsubstituierten α -Amino-carbonsäureestern 1

Energetic reactions

A study of the thermal decomposition of biguanidinium perchlorate using thermogravimetry and mass spectroscopy 109

Enthalpic cross coefficient

Enthalpic and volume effects in the interaction of D-glucose with crown ethers in water 253

Enthalpy of formation

Geminale Substituenteneffekte. Teil 13. Stan-

dardbildungsenthalpien von alkylsubstituierten α-Amino-carbonsäureestern 1

Enthalpy of vaporization

Geminale Substituenteneffekte. Teil 13. Standardbildungsenthalpien von alkylsubstituierten α -Amino-carbonsäureestern 1

Equilibrium dialysis

The thermodynamic stability of the different forms of β -lactoglobulin (A and B) to sodium n-dodecyl sulphate 221

Esterification

Applications of reaction calorimetry in reaction kinetics and thermal hazard evaluation 67

Excess internal energy

Excess energy of polymorphic states or glass over the crystal state by heat of solution measurement 243

Ferrite

Thermal decomposition of hexahydrated nickel iron citrate 325

Flow calorimeter

A new flow calorimeter designed for operation to 450°C and 50 MPa 11

Fosinopril

Application of differential scanning calorimetry to the study of drug-excipient compatibility 337

Geminal substituents

Geminale Substituenteneffekte. Teil 13. Standardbildungsenthalpien von alkylsubstituierten α -Amino-carbonsäureestern 1

Glass transition

Dipolar relaxations in a side-chain polyacrylate liquid crystal. A study by thermally stimulated currents 347

The study of the glass transition in novolac resin by partial thermally stimulated depolarization current 231

Glass

Excess energy of polymorphic states or glass over the crystal state by heat of solution measurement 243

Glucose monohydrate

Excess energy of polymorphic states or glass over the crystal state by heat of solution measurement 243

Glucose

Enthalpic and volume effects in the interaction of p-glucose with crown ethers in water 253 Excess energy of polymorphic states or glass over the crystal state by heat of solution measurement 243

Heat capacity

Heat capacity and thermodynamic properties of Cr₂As from 5 to 1000 K 25

Thermodynamic characterization of segmented polyurethanes 155

Heat of mixing

A new flow calorimeter designed for operation to 450°C and 50 MPa 11

Heat of solution

Excess energy of polymorphic states or glass over the crystal state by heat of solution measurement 243

Heat transfer

Testing the kinetic and thermal parameters for the cure of an unsaturated polyester 277

Hemicelluloses

Compositional analysis of neutral detergent, acid detergent, lignin and humus fractions of mushroom compost 211

Heterogeneous reactions

Integral method to analyze the kinetics of heterogeneous reactions under non-isothermal conditions A variant on the Ozawa-Flynn Wall method 309

High pressure

A new flow calorimeter designed for operation to 450°C and 50 MPa 11

High temperature

A new flow calorimeter designed for operation to 450°C and 50 MPa 11

Humus

Compositional analysis of neutral detergent, acid detergent, lignin and humus fractions of mushroom compost 211

Hydrogen bonding

Calorimetric and infrared study of methyl iodide and some monosubstituted butyl halides. Does methyl iodide form hydrogen bonds as a proton donor? 199

Inflection point

Estimation of nonisothermal kinetic parameters from a TG curve by the methods of overdetermined system and inflection point 259

Intermolecular interactions

Calorimetric and infrared study of methyl iodide and some monosubstituted butyl halides. Does methyl iodide form hydrogen bonds as a proton donor? 199

Inversion of temperature integral

Thermogravimetry. Analysis of the parameters of the DTG maximum 57

IR spectra

Calorimetric and infrared study of methyl iod-

ide and some monosubstituted butyl halides. Does methyl iodide form hydrogen bonds as a proton donor? 199

IR studies

Synthesis, characterization and the thermal decomposition of calcium(II)bis(oxalato)calcium(II)dihydrate 301

Kinetic analysis

A study of the thermal decomposition of biguanidinium perchlorate using thermogravimetry and mass spectroscopy 109

Kinetic studies

Kinetic studies on the thermal dehydration of 4-aminopyridinium(1,2-dithiooxalato-S,S') metalate(II) dihydrate complexes (M = Ni, Pd and Pt) 47

Kinetics

Integral method to analyze the kinetics of heterogeneous reactions under non-isothermal conditions A variant on the Ozawa-Flynn-Wall method 309

Kinetics of action of Schiff bases on Aerobacter aerogenes as studied by microcalorimetry 181 The thermal dissociation of basic aluminiumpotassium sulphate in an atmosphere of hydrogen and carbon monoxide 81

Lignin

Compositional analysis of neutral detergent, acid detergent, lignin and humus fractions of mushroom compost 211

Lignite

Effect of mineral matter on the burning profile of lignites 35

Magnetic transition

Heat capacity and thermodynamic properties of Cr₂As from 5 to 1000 K 25

Mean-field theory

Miscibility and phase separation study of blends of random copolymers of poly[ortho (para)-fluorostyrene-co-ortho (para)-bromostyrene] with phenylsulphonylated poly-(2,6-dimethyl-1,4-phenylene oxide) copolymers by thermal methods 141

Metal halides

Thermochemical data for adducts of ε-caprolactam with zinc(II) family metal halides 289

Methanol

Applications of reaction calorimetry in reaction kinetics and thermal hazard evaluation 67

Methyl iodide

Calorimetric and infrared study of methyl iodide and some monosubstituted butyl halides. Does methyl iodide form hydrogen bonds as a proton donor? 199

Microcalorimetry

Kinetics of action of Schiff bases on Aerobacter aerogenes as studied by microcalorimetry 181

Mineral matter

Effect of mineral matter on the burning profile of lignites 35

Miscibility

Miscibility and phase separation study of blends of random copolymers of poly[ortho (para)-fluorostyrene-co-ortho (para)-bromostyrene] with phenylsulphonylated poly-(2,6-dimethyl-1,4-phenylene oxide) copolymers by thermal methods 141

Modelling

Testing the kinetic and thermal parameters for the cure of an unsaturated polyester 277

Multiplication rate constant

Kinetics of action of Schiff bases on Aerobacter aerogenes as studied by microcalorimetry 181

Mushroom compost

Compositional analysis of neutral detergent, acid detergent, lignin and humus fractions of mushroom compost 211

Na.K-ATPase

Modifications induced on water-matrix interactions and on ATPase, Na,K-dependent activity in ouabain-treated cerebella of mice 127

Nefazodone

Application of differential scanning calorimetry to the study of drug-excipient compatibility 337

Neutral detergent fibre (NDF)

Compositional analysis of neutral detergent, acid detergent, lignin and humus fractions of mushroom compost 211

Nickel compounds

Thermal studies of 2-aminoethanol complexes of nickel (II) in the solid state 99

Non-isothermal kinetic parameters

Estimation of nonisothermal kinetic parameters from a TG curve by the methods of overdetermined system and inflection point 259

Non-isothermal

Integral method to analyze the kinetics of heterogeneous reactions under non-isothermal conditions A variant on the Ozawa-Flynn-Wall method 309

Novolac phenol formaldehyde

The study of the glass transition in novolac resin by partial thermally stimulated depolarization current 231

Overdetermined system

Estimation of nonisothermal kinetic parameters from a TG curve by the methods of overdetermined system and inflection point 259

Ozawa-Flynn-Wall method

Integral method to analyze the kinetics of heterogeneous reactions under non-isothermal conditions A variant on the Ozawa-Flynn-Wall method 309

Partially sulphonated poly(2,6-dimethyl-1,4-phenylene oxide)

Miscibility and phase separation study of blends of random copolymers of poly[ortho-(para)-fluorostyrene-co-ortho (para)-bromostyrene] with phenylsulphonylated poly(2,6-dimethyl-1,4-phenylene oxide) copolymers by thermal methods 141

Phase separation

Miscibility and phase separation study of blends of random copolymers of poly[ortho(para)-fluorostyrene-co-ortho(para)-bromostyrene] with phenylsulphonylated poly(2,6-dimethyl-1,4-phenylene oxide) copolymers by thermal methods 141

Phase transition temperature

Dilatometric determination of phase transition temperatures and oxidation temperatures on the compounds $SrMnO_{3-y}$ and Sr_2MnO_{4-y} .

Phase transition

Thermal studies of 2-aminoethanol complexes of nickel (II) in the solid state 99

Polyester

Testing the kinetic and thermal parameters for the cure of an unsaturated polyester 277

Polymorphs

Excess energy of polymorphic states or glass over the crystal state by heat of solution measurement 243

Polysaccharides

Compositional analysis of neutral detergent, acid detergent, lignin and humus fractions of mushroom compost 211

Poly[ortho(para)-fluorostyrene-co-ortho(para)bro-mostyrene]

Miscibility and phase separation study of blends of random copolymers of poly[ortho-

(para)-fluorostyrene-co-ortho (para)-bromostyrene] with phenylsulphonylated poly(2,6-dimethyl-1,4-phenylene oxide) copoly- mers by thermal methods 141

Precursor

Thermal decomposition of hexahydrated nickel iron citrate 325

Reaction calorimetry

Applications of reaction calorimetry in reaction kinetics and thermal hazard evaluation 67

Reduction calcination

The thermal dissociation of basic aluminiumpotassium sulphate in an atmosphere of hydrogen and carbon monoxide 81

Reduction

Reduction of tungsten oxides with hydrogen and with hydrogen and carbon 361

Reflectance studies

Synthesis, characterization and the thermal decomposition of calcium(II)bis(oxalato)calcium(II)dihydrate 301

Schiff base

Kinetics of action of Schiff bases on Aerobacter aerogenes as studied by microcalorimetry 181

Segmented polyurethanes

Thermodynamic characterization of segmented polyurethanes 155

Sodium

The thermodynamic stability of the different forms of β -lactoglobulin (A and B) to sodium n-dodecyl sulphate 221

Sodium n-dodecyl sulphate (SDS)

The thermodynamic stability of the different forms of β -lactoglobulin (A and B) to sodium n-dodecyl sulphate 221

Solid state

Thermal and stereochemical studies of some cyclic ligand complexes of palladium(II) in the solid state 191

Solution calorimetry

Thermochemical data for adducts of ε-caprolactam with zinc(II) family metal halides 289

Solvation

Calorimetric and infrared study of methyl iodide and some monosubstituted butyl halides. Does methyl iodide form hydrogen bonds as a proton donor? 199

Stability

Thermal studies of 2-aminoethanol complexes of nickel (II) in the solid state 99

Stereochemical studies

Thermal and stereochemical studies of some cyclic ligand complexes of palladium(II) in the solid state 191

Strontium manganate

Dilatometric determination of phase transition temperatures and oxidation temperatures on the compounds SrMnO_{3-y} and Sr₂MnO_{4-y} 91

Sucrose

Excess energy of polymorphic states or glass over the crystal state by heat of solution measurement 243

Synthetic alunite

The thermal dissociation of basic aluminiumpotassium sulphate in an atmosphere of hydrogen and carbon monoxide 81

Temperature programmed reduction

Temperature-programmed reduction of calcined chromia-coated alumina and silica catalysts: probing chromium (IV)-oxygen species 167

TG

Thermal studies of 2-aminoethanol complexes of nickel (II) in the solid state 99

Thermal decomposition

Synthesis, characterization and the thermal decomposition of calcium(II)bis(oxalato)calcium(II)dihydrate 301

Thermal Decomposition

Thermal decomposition of hexahydrated nickel iron citrate 325

Thermal dehydration

Kinetic studies on the thermal dehydration of 4-aminopyridinium(1,2-dithiooxalato-S,S)metalate(II) dihydrate complexes (M = Ni, Pd and Pt) 47

Thermal runaway

Applications of reaction calorimetry in reaction kinetics and thermal hazard evaluation 67

Thermal Studies

Thermal and stereochemical studies of some cyclic ligand complexes of palladium(II) in the solid state 191

Thermally stimulated current

The study of the glass transition in novolac resin by partial thermally stimulated depolarization current 231

Thermoanalytical techniques

Modifications induced on water-matrix interactions and on ATPase, Na,K-dependent activity in ouabain-treated cerebella of mice 127

Thermochemical data

Thermochemical data for adducts of ε -cap-rolactam with zinc(II) family metal halides 289

Thermodynamic properties

Heat capacity and thermodynamic properties of Cr₂As from 5 to 1000 K 25

Thermodynamic stability

Thermodynamic characterization of segmented polyurethanes 155

Thermogravimetric analysis

A study of the thermal decomposition of biguanidinium perchlorate using thermogravimetry and mass spectroscopy 109

Thermogravimetric techniques

Kinetic studies on the thermal dehydration of 4-amin opyridinium (1,2-dithio α a lato-S,S)metalate(II) dihydrate complexes (M = Ni, Pd and Pt) 47

Thermogravimetry

Estimation of nonisothermal kinetic parameters from a TG curve by the methods of overdetermined system and inflection point 259

Thermogravimetry. Analysis of the parameters of the DTG maximum 57

Titration microcalorimetry

The thermodynamic stability of the different forms of β -lactoglobulin (A and B) to sodium n-dodecyl sulphate 221

TSC

Dipolar relaxations in a side-chain polyacrylate liquid crystal. A study by thermally stimulated currents 347

TSDC

Dipolar relaxations in a side-chain polyacrylate liquid crystal. A study by thermally stimulated currents 347

Tungsten carbide

Reduction of tungsten oxides with hydrogen and with hydrogen and carbon 361

Tungsten metal

Reduction of tungsten oxides with hydrogen and with hydrogen and carbon 361

Tungsten oxides

Reduction of tungsten oxides with hydrogen and with hydrogen and carbon 361

Ultrafine

Thermal decomposition of hexahydrated nickel iron citrate 325

Volumes

Enthalpic and volume effects in the interaction of D-glucose with crown ethers in water 253

Water

Modifications induced on water-matrix interactions and on ATPase, Na,K-dependent activity in ouabain-treated cerebella of mice 127

Wheat straw

Compositional analysis of neutral detergent,

acid detergent, lignin and humus fractions of mushroom compost 211

Zinc(II) family

Thermochemical data for adducts of ϵ -caprolactam with zinc(II) family metal halides 289