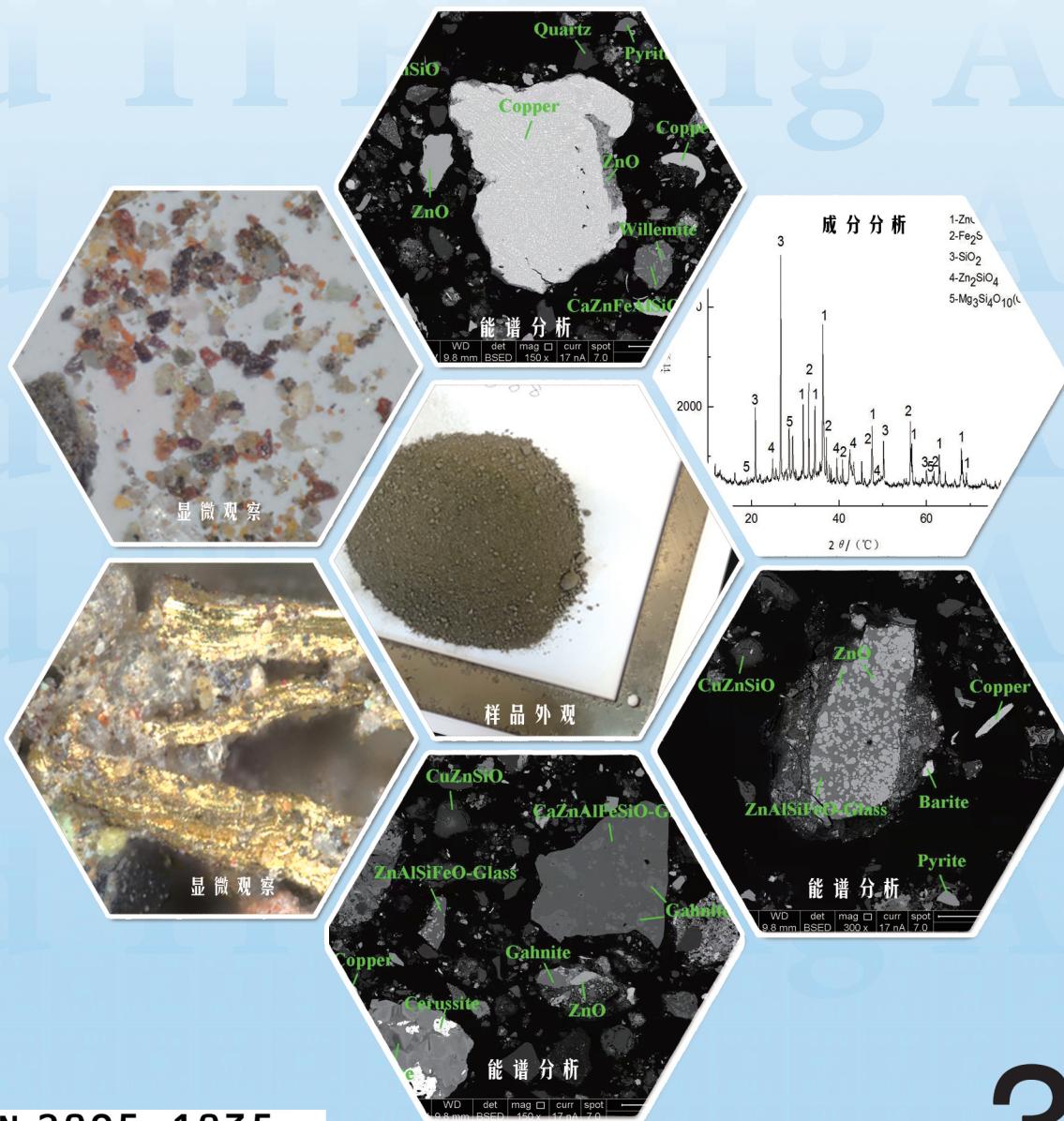


中国

Chinese
Journal of Inorganic
Analytical Chemistry

无机分析化学

ZHONGGUO WUJI FENXI HUAXUE



ISSN 2095-1035



0 6>

3
Vol.12
2022

主管 中国有色金属工业协会

主办

矿冶科技集团有限公司

目 次

采样与混样(专栏)

计算机模拟取样确定标准物质的最小取样量 江 泓(1)

有毒与有害物质

电感耦合等离子体原子发射光谱(ICP-AES)法测定辛菌胺危险废物工业盐中9种重金属元素

..... 吴 眇 邵燕子 严 峰 党 璐(7)

石墨炉原子吸收光谱法测定土壤中的Cd和Pb含量 许晓慧 张文字 谷周雷 刘 卫 张 云(12)

微波消解-电感耦合等离子体质谱法测量小麦粉中铅、镉、砷和铬 刘淑萍 乔继浩(17)

微波/电热板组合消解-电感耦合等离子体质谱(ICP-MS)法测定土壤中重金属元素

..... 陶甄彦 王 珈 叶绍佐(24)

吉林某弹药销毁场土壤炸药污染调查及其赋存状态研究

..... 孟 欢 朱勇兵 王 晴 聂钰淋 王 强 赵三平(31)

头花蓼对土壤中锑的累积特征及健康风险评价 胡 霞 王 丽 田 怡 刘 吉 杨爱江(40)

全自动石墨消解-电感耦合等离子体质谱(ICP-MS)法测定人体指甲中14种元素

..... 孙 琦 林 潘 丁 亮 郑 磊 朱 英 杨艳伟(48)

综述与评论

XRF在稀土分析中的应用与进展 孙梦荷 汤淑芳 李华昌 帅 琴 沈亚婷(55)

电感耦合等离子体质谱法测定地质样品中银的研究进展

..... 张晨芳 刘献峰 胡 建 李 墨 楼锦花 斯 玲 王权功 杨天乐(68)

掺杂ZnO应用领域与表征方法研究进展 赵 明 王俊萍 武慧敏 王 辉 赵伟光 于 晨(75)

资源与环境

一例进口“铜精矿”的属性分析研究

..... 余淑媛 杨俊凡 李 勇 洪秋阳 唐梦奇 冯均利 孔爱国 李 彬 (81)

巯基葡聚糖(SDG)分离富集-原子荧光光谱法测定地球化学样品中的锡

..... 徐冰旭 寻倩男 刘亚轩 张鹏鹏 李 刚 易建春 赵朝辉 袁超飞 (87)

电感耦合等离子体质谱(ICP-MS)法测定环境土壤中39种元素的内标选择研究

..... 张更宇 吴超 崔海洋 李娜 刘寅 崔世荣 王龄松(95)

微波消解-电感耦合等离子体原子发射光谱(ICP-AES)法测定天然石墨中铝铁钙镁钠钛钾

..... 肖刘萍 周智勇 谢丽芳 杨华东 涂莉娟 周姣连 李杰(102)

泡沫塑料富集-火焰原子吸收光谱法测定金矿石中金

..... 王小强 赵亚男 梁倩 张丽曼 张会 颜蕙园 余文丽(110)

冶金与材料

影响火花放电原子发射光谱法测定铝锭中杂质元素准确性的研究 杨聪聪 王丹 公彦兵(115)

铅试金富集条件对KSCN滴定铜阳极泥中银的影响 储悦(123)

火焰原子吸收光谱法测定炭末中银 刘芳美 赖秋祥 廖彬玲 罗小兵 吴彬(129)

电感耦合等离子体原子发射光谱(ICP-AES)法测定高镍铜液体样品中金、铂、钯

..... 段爱霞 李希凯 赵勇 祖爱国 赵志虎 李立香 段正辉 杨秀萍 杨红玉(134)

食品与生物

超声酸提取-电感耦合等离子体发射光谱(ICP-OES)法测定复配矿物质中铁锌 丁玉龙(139)

配位滴定法测定锌含量的合适酸度条件研究 苏铁军 夏金强 李克娥(145)

离子色谱法测定胡蜂酒中5种无机阴离子的含量 鲁广秋 田先娇 党凌婧 刘贵有 杨新周(151)

湿法消解-原子荧光光谱法测定全血中硒 张晓梅 潘兴富(156)

广告

北京海光仪器公司(前插1);北矿检测技术有限公司(封底)

化学教育中树立绿色环保意识的途径——评《奇妙的化学》

分析化学科技英语翻译策略研究——评《英汉·汉英分析化学词汇》

谈高中化学实验教学的重要性——评《普通化学实验》

凡向本刊所投稿件,视为作者将该论文的复制权、发行权、信息网络传播权、翻译权、汇编权等权利转让给本刊。稿件一经刊用,付给作者的稿酬包括印刷版、光盘版和网络版等各种使用方式著作权使用费。

CHINESE JOURNAL OF INORGANIC ANALYTICAL CHEMISTRY

Vol.12, No.3

(Bimonthly)

June, 2022

CONTENTS

Sampling and Blending (Column)

Determination of the Minimum Sample Mass of Reference Materials with Computer Simulation of Sampling

..... *JIA NG Hong*(1)

Toxic & Hazardous Substances

Determination of 9 Heavy Metals in Hazardous Waste of Industrial Salt of Xinjun 'an by ICP-AES

..... *WU Min, SHAO Yanzi, YAN Feng, DANG Lu*(7)

Determination of Cd, Pb in Soil by Graphite Furnace Atomic Absorption Spectrometry

..... *XU Xiaohui, ZHANG Wenyu, GU Zhoulei, LIU Wei, ZHANG Yun*(12)

Determination of Lead, Cadmium, Arsenic and Chromium in Wheat Flour by Inductively Coupled Plasma

Mass Spectrometry with Microwave Digestion *LIU Shuping, QIAO Jihao* (17)

Determination of Heavy Metals in Soil by ICP-MS Combined with Microwave/Electric Heating Plate Digestion

..... *TAO Zhenyan, WANG Shen, YE Shaozuo*(24)

Investigation on Soil Explosive Pollution and Occurrence Status of a Certain Ammunition Destruction

Site in Jilin Province *MENG Huan, ZHU Yongbing, WANG Qing, NIE Yulin, WANG Qiang, ZHAO Sanping*(31)

Cumulative Characteristics and Health Risk Assessment of Antimony in Soil by *Polygonum Capitatum*

..... *HU Xia, WANG Li, TIAN Yi, LIU Ji, YANG Aijiang*(40)

Determination of 14 Elements in Human Nails by Inductively Coupled Plasma Mass Spectrometry with

Graphite Digestion *SUN Qi, LIN Xiao, DING Liang, ZHENG Lei, ZHU Ying, YANG Yanwei*(48)

Review & Comment

Application and Progress of XRF in Rare Earth Analysis

..... *SUN Menghe, TANG Shufang, LI Huachang, SHUAI Qin, SHEN Yating*(55)

Research Progress on Determination of Silver in Geological Samples by Inductively Coupled Plasma Mass

Spectrometry *ZHANG Chenfang, LIU Xianfeng, HU Jian, LI Mo, LOU Jinhua, JIN Ling,*

WANG Quangong, YANG Tianle(68)

Review of Application and Characterization Method of Doped ZnO

..... *ZHAO Ming, WANG Junping, WU Huimin, WANG Hui, ZHAO Weiguang, YU Chen*(75)

Resources & Environment

Property Analysis of One Imported “Copper Concentrate”

..... YU Shuyuan ,YANG Junfan ,LI Yong ,HONG Qiuyang ,TANG Mengqi ,FENG Junli ,KONG Aiguo ,LI Bin(81)

Determination of Tin in Geochemical Samples by Atomic Fluorescence Spectrometry with SDG Separation

and Enrichment XU Bingxu ,XUN Qiannan ,LIU Yaxuan ,
ZHA NG Pengpeng ,LI Gang ,YI Jianchun ,ZHAO Chaozui ,YUA N Chaofei(87)

Study on Internal Standard Selection for Determination of 39 Elements in Environmental Soil by Inductively Coupled Plasma Mass Spectrometry ZHA NG Gengyu ,WU Chao ,CUI Haiyang ,LI Na ,
LIU Yin ,CUI Shirong ,WA NG Lingsong(95)

Determination of Aluminum ,Iron ,Calcium ,Magnesium ,Sodium ,Titanium and Potassium in Natural Graphite by Inductively Coupled Plasma Atomic Emission Spectrometry with Microwave Digestion

..... XIAO Liuping ,ZHOU Zhiyong ,XIE Lifang ,YANG Huadong ,TU Lijuan ,ZHOU Jiaolian ,LI Jie(102)

Determination of Gold in Gold Ores by Flame Atomic Absorption Spectrometry with Foam Plastics Enrichment

..... WA NG Xiaoqiang ,ZHAO Yanan ,LIA NG Qian ,ZHA NG Liman ,ZHA NG Hui ,YAN Huiyuan ,YU Wenli(110)

Metallurgy & Material

Study on Affecting the Accuracy of Determination of Impurity Elements in Aluminum Ingot by Spark

Discharge Atomic Emission Spectrometry YANG Congcong ,WA NG Dan ,GONG Yanbing(115)

Effect of Enrichment Conditions of Lead Assay on Titrating Silver in Copper Anode Slime Titrated with Potassium Thiocyanate CHU Yue(123)

Determination of Silver in Carbon Powder by Flame Atomic Absorption Spectrometry

..... LIU Fangmei ,LA I Qiuxiang ,LIAO Binling ,LUO Xiaobing ,WU Bin(129)

Determination of Gold ,Palladium and Platinum in High Nickel and Copper Liquid Samples by ICP-AES

..... DUA N Aixia ,LI Xikai ,ZHAO Yong ,ZU Aiguo ,ZHAO Zhihu ,
LI Lixiang ,DUA N Zhenghui ,YANG Xiuping ,YANG Hongyu(134)

Food and Biology

Determination of Fe and Zn in Compound Minerals by Inductively Coupled Plasma Optical Emission

Spectrometer (ICP-OES) with Ultrasonic Acid Extraction DING Yulong (139)

Study on Suitable Acidity Conditions for Determination of Zinc Content by Coordination Titration

..... SU Tiejun ,XIA Jinqiang ,LI Ke'e (145)

Determination of Five Anions in Vespa Wine by Ion Chromatography

..... LU Guangqiu ,TIAN Xianjiao ,DANG Lingjing ,LIU Guiyou ,YANG Xinzhong(151)

Determination of Selenium in Whole Blood by Atomic Fluorescence Method with Wet Digestion

..... ZHA NG Xiaomei ,PAN Xingfu(156)