



中国口岸科学技术

要坚持人民至上、生命至上，积极开展疫苗研发、生产、分配国际合作，加强全球公共卫生治理，共筑多重抗疫防线，推动建设人类卫生健康共同体。

ZHONGGUO KOUAN KEXUE JISHU



ISSN 2096-9201

中华人民共和国海关总署主管

2022

5

第4卷
总第35期

目次

中国口岸科学技术

◎本期专题·再生金属检验

- 04 进口再生(黄)铜原料检验规程现场应用
..... 马辉 李涛 孙鑫 魏红兵 谷松海 朱锦波
- 10 进口再生铸造铝合金原料检验规程现场应用
..... 李涛 孙鑫 马辉 魏红兵 谷松海 朱锦波 卜松涛 于恒智
- 17 进口再生钢铁原料检验规程现场应用
..... 孙鑫 马辉 李涛 魏红兵 谷松海 朱锦波 卜松涛 张佳媛

◎专论综述

- 23 中草药及其提取物消毒效果研究进展
..... 裴景超 李家祺 蔡慧玲 胡佳 廖如燕
- 28 牛白血病现状及防控措施
..... 林萍萍 史云鹏 安鹏天 张鹏翔

◎商品检验

- 34 热重分析法快速测定饲料中淀粉含量
..... 周龙 牛增元 孙忠松 尹桂林 张莉 王卫峰
- 39 聚乙烯蜡固体废物属性鉴别技术研究
..... 王晶 张子豪 彭莹 王海贞 李春燕 李全忠 刘莹峰 肖前
- 44 便携式X射线衍射仪在进口铁矿石固废属性现场快筛中的应用
..... 陈永欣 高辉 李慈进 吴国境 邓和权 沈有钦 何国清

◎动植物检疫

- 54 个人邮寄调味品中鸦片罂粟种子鉴定及发芽率分析
..... 刘勇 刘鹏 郭京泽 张敏 林宇 魏亚东 廖芳 胡佳续
- 59 江苏连云港一起牛结节性皮肤病疫情溯源分析
..... 聂福平 史梅梅 窦树龙 张敬友 杨俊 谢晓倩 段宏安 李应国

◎卫生检疫

- 66 运动器材辐照消毒技术应用与探索
..... 李超 孙晓东 顾俊 王贵超 边勇

◎食品安全

- 72 微波消解-ICP-MS法同时测定小麦中铅、镉、铬、砷、汞含量
..... 江鹏 湛红梅 李敬波 丁勇 钟利沙 蒋小良
- 77 单核细胞增生李斯特氏菌MPN法结果测量不确定度评定
..... 赵琪 甄珍

◎分析化学

- 82 火焰原子吸收分光光度法测定农田灌溉水中总镍的不确定度评定
..... 陈清兰 陈旻实

◎口岸监管

- 87 行李数字立体成像技术研究
..... 孙运达 李栋 孟馨蕊 王朔 汪万春 张丽
- 93 国门安全生物资源库建设的研究和启示
..... 常亮 韩辉 郭铮蕾 孙震

CONTENTS

CHINA PORT SCIENCE AND TECHNOLOGY

◎ Feature · Inspection of Recycling Metal

- 04 Field Application of Rules for the Inspection of Imported Recycling Materials for Brass and Copper
..... MA Hui LI Tao SUN Xin WEI Hong-Bing GU Song-Hai ZHU Jin-Bo
- 10 Field Application of Rules for the Inspection of Imported Recycling Materials for Cast Aluminum Alloys Materials
..... LI Tao SUN Xin MA Hui WEI Hong-Bing GU Song-Hai ZHU Jin-Bo BU Song-Tao YU Heng-Zhi
- 17 Field Application of Rules for the Inspection of Imported Recycling Iron-steel Materials
..... SUN Xin MA Hui LI Tao WEI Hong-Bing GU Song-Hai ZHU Jin-Bo BU Song-Tao ZHANG Jia-Yuan

◎ Monographs and Reviews

- 23 Research Progress on Disinfection Effect of Chinese Herbal Medicine and Its Extracts
..... PEI Jing-Chao LI Jia-Qi CAI Hui-Ling HU Jia LIAO Ru-Yan
- 28 Current Situation and Control Measures of Bovine Leukemia
..... LIN Ping-Ping SHI Yun-Peng AN Peng-Tian ZHANG Peng-Xiang

◎ Commodity Inspection

- 34 A Method for Rapid Determination of Starch in Feed Stuff by Thermogravimetric Analysis
..... ZHOU Long-Long NIU Zeng-Yuan SUN Zhong-Song YIN Gui-Lin ZHANG Li WANG Wei-Feng
- 39 A Study on Solid Waste Identification Technology of Polyethylene Wax
..... WANG Jing ZHANG Zi-Hao PENG Ying WANG Hai-Zhen LI Chun-Yan LI Quan-Zhong LIU Ying-Feng XIAO Qian
- 44 Application of Portable X-ray Diffraction Analyzer in Rapid Spot Screening of Solid Waste Attribute of Imported Iron Ore
..... CHEN Yong-Xin GAO Hui LI Ci-Jin WU Guo-Jing DENG He-Quan XIAN You-Qin HE Guo-Qing

◎ Animal and Plant Quarantine

- 54 Identification and Germination Rate Analysis of Opium Poppy Seeds in Seasonings Sent by Personal Parcels
..... LIU Yong LIU Peng GUO Jing-Ze ZHANG Min LIN Yu WEI Ya-Dong LIAO Fang HU Jia-Xu
- 59 Traceability Analysis of an Outbreak of Lumpy Skin Disease in Lianyungang City of Jiangsu Province
..... NIE Fu-Ping SHI Mei-Mei DOU Shu-Long ZHANG Jing-You YANG Jun XIE Xiao-Qian DUAN Hong-An LI Ying-Guo

◎ Health Quarantine

- 66 Application and Exploration of Radiation Disinfection Technology of Sports Equipment
..... LI Chao SUN Xiao-Dong GU Jun WANG Gui-Chao BIAN Yong

◎ Food Safety

- 72 Simultaneous Determination of Lead, Cadmium, Chromium, Arsenic and Mercury in Wheat by ICP-MS with Microwave Digestion
..... JIANG Peng CHEN Hong-Mei LI Jing-Bo DING Yong ZHONG Li-Sha JIANG Xiao-Liang
- 77 Uncertainty Assessment of Results Measurement of *Listeria Monocytogenes* by MPN Method
..... ZHAO Qi ZHEN Zhen

◎ Analytical Chemistry

- 82 Evaluation of Uncertainty for Determination of Nickel in Irrigation Water by Flame Atomic Absorption Spectrophotometry
..... CHEN Qing-Lan CHEN Min-Shi

◎ Port Control

- 87 Research on Baggage Digital Stereo Imaging Technology
..... SUN Yun-Da LI Dong MENG Xin-Rui WANG Shuo WANG Wan-Chun ZHANG Li
- 93 Research and Enlightenment on the Construction of Border Security Bioresource Bank
..... CHANG Liang HAN Hui GUO Zheng-Lei SUN Zhen