

中国测试技术研究院

National Institute of Measurement and Testing Technology

检测报告

TEST REPORT

报告编号 化量字第20040767号
Report No. _____

委托方 Customer	成都右任磁性材料有限公司 Chengdu Amoeba Magnetic Co., Ltd
地址 Address	成都 Cheng du
样品名称 Description of Sample	量子除垢防垢技术节能检测 Test for the quantum descaling anti-scaling technique- energy-saving
制造商/商 Manufacturer	成都右任磁性材料有限公司 Chengdu Amoeba Magnetic Co., Ltd
型号规格 Model Type	QAD
出厂编号 Ex-factory No.	003



批准人 Approved by		职务 Position	所长助理			
样品接收日期 Rcvd Date	2004	年 Year	05	月 Month	18	日 Day
检测日期 Test Date	2004	年 Year	08	月 Month	16	日 Day

中国测试技术研究院是国家法定计量检定机构

NIMTT is an institute of Legal Verification

国家质量监督检验检疫总局

授权证书号: (国)法计(2002)01002号
Authorized Certificate No.

授权单位: General Administration of Quality Supervision,
Inspection and Quarantine of the People's
Authorization body Republic of China

本次检测的技术依据(代号、名称): 产品说明书
Reference documents for the test (Code Name) Instruction

检测所用的主要测量设备:

Main Equipment Used

名称 Name	编号 No	测量范围 Measuring range	不确定度(或准确度) Uncertainty (of Accuracy)	证书编号 Certificate No	有效期至 Valid date to
电子天平 electronic balance	25007	2000g	0.01 g	20046035	2005.5.10
数字多用表 digital multipurpose meter	41034679		10 ⁻⁵	20030234	2004.12.28
秒表 stop watch	302540		优等 betterness	20041198	2004.4.21

检测环境条件:

Environmental Conditions for the Test

地点: 理化实验室
place

环境温度: (22 ~ 28) °C
Ambient Temperature
相对湿度: (55 ~ 75) %
Humidity
其它: /
Others

其它说明: /
Remarks

本检测结论仅对受检测样品的本次检测有效。

It's effect that the results of this report relate only to the sample(s) tested.

未经本院许可, 不得部分复制本报告。

This report cannot be partly copied if not allowed by NIMTT.

委托方对检测报告有异议, 请在报告发出 15 日内向本院提出。

Customer who has any dissent on test report should advise the NIMTT within fifteen days

检测数据 / 结果

检测说明

instruction for test

Data / Results of Verification

(1) 水来源 water is from:

成都地下水 groundwater in Chengdu

通过量子除垢防垢系统处理后的成都地下水（简称处理水）

the groundwater after treated by quantum descaling anti-scaling technique(Treated water)

(2) 能耗检测 Test for Energy consumption

在铁器皿和铝器皿内装入成都地下水连续加热至水蒸发完，持续十天成垢；分别装入一定量的处理水和地下水，加热至沸腾，检测消耗电能。

Fill in the iron & aluminum ware with the groundwater in Chengdu and heat the water continuously for 10 days after all the water is evaporate. fill in the treated water and groundwater respectively, after the water boiling, test the electric energy of consumption.

检测结果

Test result

表 1 铝器皿能耗检测数据

scale data for aluminum ware

检测 次序	消耗电能(KWh) —处理水	消耗电能(KWh) — 成都地下水	节约电能 (KWh)	地下水能耗增加 率(%)
Order	energy of consumption (KWH) treated water	energy of consumption (KWH) groundwater	Power Saving	The increasing rate of energy of consumption for ground water(%)
1	0.2016	0.2017	0.0001	0.05
2	0.2037	0.2085	0.0048	2.36
3	0.2044	0.2110	0.0066	2.94
4	0.2052	0.2147	0.0095	4.58
5	0.2053	0.2185	0.0132	6.43
6	0.2062	0.2246	0.0184	8.92
7	0.2054	0.2286	0.0232	11.30
8	0.2049	0.2326	0.0277	13.52
9	0.2048	0.2396	0.0348	16.99
10	0.2048	0.2476	0.0428	20.90

说明：单次平均用水量为 1360g。

Remark: the water is 1360g at a time

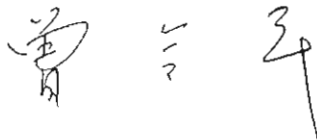
结论：未经量子除垢防垢系统处理的水能耗增加率为 0.34 KWh/Kg.次；

经过量子除垢防垢系统的处理水能耗增加率为 0.02 KWh/Kg.次。

conclusion: Before the water treated, the energy expenditure is 0.34KWh/Kg,

after theated, the energy expenditure is 0.02kwh/kg

检测员
Tested by



核验员
Checked by



检测数据 / 结果 Data / Results of Verification

表 2 铁器皿能耗检测数据
scale data for iron ware

检测次数	消耗电能(KWh) —处理水	消耗电能(KWh) —成都地下水	节约电能 (KWh)	地下水能耗增加率 (%)
Order	energy of consumption (KWH) treated water	energy of consumption (KWH) groundwater	Power Saving	The increasing rate of energy of consumption for ground water(%)
1	0.1669	0.1681	0.0012	0.72
2	0.1702	0.1749	0.0047	2.76
3	0.1709	0.1775	0.0066	3.86
4	0.1718	0.1806	0.0088	5.12
5	0.1719	0.1837	0.0118	6.86
6	0.1729	0.1898	0.0169	9.77
7	0.1726	0.1949	0.0223	12.92
8	0.1736	0.2001	0.0265	15.26
9	0.1738	0.2048	0.0310	17.84
10	0.1736	0.2072	0.0336	19.35

说明：单次平均用水量为 1360g。
Remark: the water is 1360g at a time

结论：未经量子除垢防垢系统处理的地下水能耗比处理水能耗平均增加 0.29 KWh/Kg.次；
经过量子除垢防垢系统的处理水能耗增加速度为 0.04KWh/Kg.次。

以下空白

Conclusion: Before the water treated, the Energy consumption of the ground water is 0.29KWH/KG at a time than treated water. The Energy consumption for the treated water is 0.04KWH. KG at a time.