

中国测试技术研究院

National Institute of Measurement and Testing Technology

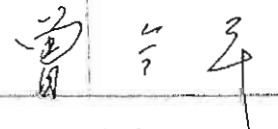
检测报告

TEST REPORT

报告编号 化量字第20040766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	量子除垢防垢技术除垢检测 Test for the quantum descaling anti-scaling technique-For descaling
制造厂/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  职务 所长助理
Approved by _____ Position Assistant of the Director

样品接收日期 2004 年 05 月 18 日
Rcvd Date Year Month Day

检测日期 2004 年 08 月 16 日
Test Date Year Month 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
General Administration of Quality
Supervision, Inspection and Quarantine
of the People's Republic of China

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

授权单位:
Authorization body

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
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检测环境条件:

Environmental Conditions for the Test

地点: 理化实验室 physical-chemical experiment lab
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
Data / Results of Verification

检测说明

instruction for test

(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) 除垢检测 descaling test

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; 然后装入处理水, 加热至沸腾, 倒去水, 检测器皿重量。

Fill in the steel & 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, after the water boiling, then pour the water and check the weight of the ware.

检测结果 Test result

表 1 除去铁器皿水垢检测数据
new scale for steel ware

检测次序	水垢质量(g)处理水	检测次序	水垢质量(g)处理水
Order of test	The weight of scale (g)	Order of test	The weight of scale (g)
0	18	7	0.9
1	8.8	8	1.7
2	1.7	9	1.4
3	1.9	10	2
4	1.7	11	1.7
5	1.8	12	1.5
6	1.3	13	1.2

备注: 铁器皿成垢时间共 10 天, 成垢质量为 18g。单次平均用水量为 1360g。

Remark: 10 days for steel ware, the scale is 18 g, the water is 1360g at a time

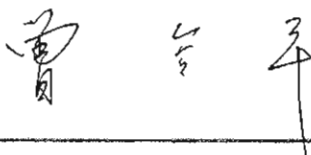
表 2 除去铝合金器皿新垢
New scale For aluminum ware

检测次序	水垢质量(g)处理水	检测次序	水垢质量(g)处理水
Order of test	the weight of scale (g)	Order of test	the weight of scale (g)
0	9.2	14	2.8
1	3.7	15	2.6
2	2.2	16	2.7
3	2	17	2.5
4	2.1	18	2.5
5	2	19	2.9
6	2.3	20	2.8
7	2.5	21	2.7
8	2.4	22	3
9	2.6	23	3
10	2.8	24	3
11	2.3	25	2.8
12	2.3	26	2.3
13	2.4	27	2.2

说明: 成垢为 10 天, 成垢质量为 9.2g。单次平均用水量为 1360g。

Remark: 10 days for scale, the scale is 9.2g, the water is 1360g at a time

检测员
Tested by



核验员
Checked by



检测数据 / 结果

Data / Results of Verification

表 3 除去铝合金器皿陈垢
Old scale For aluminum ware

检测次序	水垢质量(g) 一处理水	检测次序	水垢质量(g)一处理水
Order of test	The weight of scale (g)	Order of test	The weight of scale (g)
0	154	15	110.7
1	152.5	16	107
2	150.2	17	103.7
3	146.8	18	100.1
4	142.7	19	99.4
5	139.2	20	91.3
6	137.9	21	81
7	135.8	22	68.3
8	132.5	23	19.6
9	127	24	14.5
10	123.8	25	11.4
11	121.1	26	13.1
12	118.3	27	12.7
13	115.4	28	10.6
14	112.6	29	10.7

说明: 成垢时间三个月, 成垢质量 154g。单次平均用水量为 1360g。

Remark: 3 months for scale, the scale is 154g, the water is 1360g at a time

结论: 除新垢的趋势为经过二到三次加热即可清除 80~90 %的水垢。

除陈垢的趋势为初始每次清除的水垢质量较小, 到某一阶段水垢开始大量脱落。

以下空白

Conclusion:

For new scale: by heat up for 2-3 times, the 80-90% scale could be clean out.

For old scale: at first, the qty of the scale is not more, after some time, big qty of the scale begin to flow out.