

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20040768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

量子除垢防垢技术防垢检测
Test for the quantum descaling anti-scaling technique-For anti-scaling

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
Approved by

曾 磊 3

职务
Position

所长助理

样品接收日期
Rcvd Date

2004

年 05

月 18

日

检测日期
Test Date

2004

年 08

月 16

日

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

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Authorization body: 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.

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)

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
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.
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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) 防垢检测 anti-scaling test

分别将地下水和处理水装入铁器皿和铝器皿内, 连续加热至水蒸发完, 检测器皿重量, 器皿的质量增量为成垢质量。

Fill in the iron & aluminum ware with the groundwater and treater respectively, and heat the water continuously so that all the water is evaporate. Then check the weight of the ware.

The added weight is for the scale.

检测结果

Test result

表 1 铝器皿成垢检测数据
The test data for the scale in aluminum ware

检测次序	成垢质量 (g) -- 处理水	成垢质量 (g) -- 成都地下水	检测次序	成垢质量 (g) -- 处理水	成垢质量 (g) -- 成都地下水
Order of test	The weight of scale (g) - treated water	The weight of scale (g) - groundwater	Order of test	The weight of scale (g) - treated water	The weight of scale (g) - groundwater
1	0	0.2	13	2.9	4.3
2	0.1	0.7	14	3	4.8
3	0.2	1.2	15	2.8	5
4	0	1.4	16	2.8	5.2
5	0.2	1.6	17	2.3	4.8
6	0.4	1.8	18	3.1	5.4
7	0.6	3.2	19	3	5.5
8	1.1	3.1	20	3.3	5.7
9	1.4	2.8	21	3.3	6.2
10	1.4	3.4	22	3.3	6.4
11	1.8	3.9	23	2.9	7.3
12	2.8	4	24	2.8	8.8

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, 其平均成垢速度 0.27g/kg.次;

经过量子除垢防垢系统的处理水平均成垢速度为 0.09g/kg.次。

conclusion:

Before the water treated by the quantum descaling and anti-scaling technique, the average rate of coming into being the scale is 0.27g/kg at a time, after the water treated by the the quantum descaling and anti-scaling technique, it is 0.09g/kg at a time

检测员
Tested by

曾 宇 平

核验员
Checked by

李 进 生

检测数据 / 结果

Data / Results of Verification

表 2 铁器皿成垢检测数据

The test data for the scale in iron ware

检测 次序	成垢质量 (g) - 处理水	成垢质量 (g) -成都地下水	检测 次序	成垢质量 (g) -处理水	成垢质量 (g) -成都地下水
Order of test	The weight of scale (g) -treated water	The weight of scale (g) - groundwater	Order of test	The weight of scale (g) -treated water	The weight of scale (g) - groundwater
1	0.3	0.7	15	1.3	3
2	0.9	1.1	16	1.4	3.4
3	1.1	1.1	17	1.4	3.9
4	1.1	1.2	18	1.2	4.5
5	1.2	1.2	19	1.4	4.7
6	1.2	1.4	20	1.4	4.9
7	1.3	1.3	21	1.4	5.2
8	1.3	1.5	22	1.3	4.8
9	1.6	1.6	23	1.4	4.7
10	1.6	1.7	24	1.1	5.3
11	1.4	2.1	25	1.4	5.6
12	1.2	2.4	26	1.3	5.8
13	1.4	1.7	27	1.4	6.1
14	1.4	2.9	28	1.3	6.5

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平均成垢速度为 0.17 g/kg.次;

经过量子除垢防垢系统处理的地下水平均成垢速度为 0.04 g/kg.次。

以下空白

conclusion: Before the water treated by the quantum descaling and anti-scaling technique,
the average rate of coming into being the scale is 0.17g/kg at a time,
after the water treated by the the quantum descaling and anti-scaling technique,
it is 0.04g/kg at a time