

测试报告

No. TSNEC2100372602

日期: 2021年03月18日 第1页,共10页

邢台钢铁有限责任公司

中国河北省邢台市钢铁南路262号

以下测试之样品是由申请者所提供及确认: 热轧圆盘条

SGS工作编号: TP21-001206 - TJ

主要成份: 铁

型号: SWRCH18A

客户参考信息: 其他型号: 见附页:

样品接收日期: 2021年03月10日

测试周期: 2021年03月10日 - 2021年03月15日

测试要求: 根据客户要求测试

测试方法: 请参见下一页

测试结果: 请参见下一页

结论: 基于所送样品进行的测试, 镉、铅、汞、六价铬、多溴联苯(PBBs)、多溴二苯醚(PBDEs)、邻苯二甲酸酯(如邻苯二甲酸二丁酯(DBP)、邻苯二甲酸丁苯酯(BBP)、邻苯二甲酸二(2-乙基己基)酯(DEHP)和邻苯二甲酸二异丁酯(DIBP))的测试结果符合欧盟RoHS指令2011/65/EU附录II的修正指令(EU) 2015/863的限值要求。

通标标准技术服务(天津)有限公司
授权签名

(周艳)

Reabeca Zhou周艳
批准签署人

scan to see the report



TSNEC2100372602



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测试报告

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测试结果:

测试样品描述:

样品编号	SGS样品ID	描述
SN1	TSN21-003726.001	灰色金属棒

备注:

- (1) 1 mg/kg = 0.0001%
- (2) MDL = 方法检测限
- (3) ND = 未检出 (< MDL)
- (4) "-" = 未规定

RoHS 指令2011/65/EU附录II的修正指令(EU) 2015/863

测试方法: 参考IEC 62321-5:2013, IEC 62321-4:2013+AMD1:2017, IEC 62321-7-1:2015, IEC 62321-6:2015和IEC 62321-8:2017, 采用ICP-OES,UV-Vis和GC-MS进行分析.

测试项目	限值	单位	MDL	001
镉(Cd)	100	mg/kg	2	ND
铅(Pb)	1000	mg/kg	2	ND
汞(Hg)	1000	mg/kg	2	ND
六价铬(Cr(VI))▼	-	µg/cm²	0.10	ND
多溴联苯之和(PBBs)	1000	mg/kg	-	ND
一溴联苯	-	mg/kg	5	ND
二溴联苯	-	mg/kg	5	ND
三溴联苯	-	mg/kg	5	ND
四溴联苯	-	mg/kg	5	ND
五溴联苯	-	mg/kg	5	ND
六溴联苯	-	mg/kg	5	ND
七溴联苯	-	mg/kg	5	ND
八溴联苯	-	mg/kg	5	ND
九溴联苯	-	mg/kg	5	ND
十溴联苯	-	mg/kg	5	ND
多溴二苯醚之和(PBDEs)	1000	mg/kg	-	ND
一溴二苯醚	-	mg/kg	5	ND
二溴二苯醚	-	mg/kg	5	ND
三溴二苯醚	-	mg/kg	5	ND
四溴二苯醚	-	mg/kg	5	ND



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测试项目	限值	单位	MDL	001
五溴二苯醚	-	mg/kg	5	ND
六溴二苯醚	-	mg/kg	5	ND
七溴二苯醚	-	mg/kg	5	ND
八溴二苯醚	-	mg/kg	5	ND
九溴二苯醚	-	mg/kg	5	ND
十溴二苯醚	-	mg/kg	5	ND
邻苯二甲酸二丁酯(DBP)	1000	mg/kg	50	ND
邻苯二甲酸丁苄酯(BBP)	1000	mg/kg	50	ND
邻苯二甲酸二(2-乙基己基)酯(DEHP)	1000	mg/kg	50	ND
邻苯二甲酸二异丁酯(DIBP)	1000	mg/kg	50	ND

备注:

(1) 最大允许极限值引用自RoHS指令(EU) 2015/863.

IEC 62321 系列等同于 EN 62321 系列

https://www.cenelec.eu/dyn/www/f?p=104:30:1742232870351101:::FSP_ORG_ID,FSP_LANG_ID:1258637,25

(2) ▼a. 当六价铬的浓度高于0.13 $\mu\text{g}/\text{cm}^2$ 时, 样品为阳性, 即含有六价铬;b. 当六价铬的浓度为ND(低于0.10 $\mu\text{g}/\text{cm}^2$)时, 样品为阴性, 即未检测到六价铬;c. 当六价铬的浓度介于0.10 $\mu\text{g}/\text{cm}^2$ 与0.13 $\mu\text{g}/\text{cm}^2$ 之间时, 无法直接判定是否检测到六价铬, 因不同个体的样品表面差异可能会影响测定结果;

由于未获知样品的存储条件和生产日期, 样品的六价铬测试结果仅能代表测试时样品含六价铬的状态。除非另有说明, 此报告结果仅对测试的样品负责。本报告未经本公司书面许可, 不可部分复制。

检测报告仅用于客户科研、教学、内部质量控制、产品研发等目的, 仅供内部参考。



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附页:

其它型号:

ATTACHMENT:

OTHER MODEL NO.:

(XG)SWRCH6-22A

SWRCH6AB-Ti

SWRCH22A -Ti

GSWRCH10A/12A/22A-1

QSWRCH10A-C

GSWRCH20K/25K/35K/40K/45K

XGSWRCH45KB

GSWRCH35KM

SWRCH40K-1(QSWRCH40K-C)

10B21-38

10B21Cr-33Cr

SAE10B21

XG10B21-38

XG15B25

Q10B21-C

Q15B25M-MT

QSAE10B35-B

GML20Cr-B

(XG)ML40Cr

QML40Cr-B

SCM435-M

QSCM435-MT

ML42CrMo(A)

XGS15C-45C

S45CB

XGS45CB

QS35C-C

HD15

GML08AI-B

SAE1008-1018

GSAE1018

(XG)35ACR

D108BT

1215

30CrMnTi

M10

CH1T

XGYT0

XG295NH

50BV30

16MnCr5

40CrMoV

(XG)SWRCH6AB-22AB

SWRCH18AB-THA

GSWRCH6A-A(A1)

GSWRCH10A/15A/18A/22A-B

QSWRCH18AB-B

QSWRCH20K/25K/35K/40K/45K

XGSWRCH45KCr

GSWRCH35K-B

QSWRCH45K-B

10B33-FY

15B25

SWRCH10B21

XG10B33M

G10B21

Q10B21-DW(10B21)

Q15B25M

(XG)ML20Cr

QML20Cr-B

GML40Cr

QML40CrH-C

GSCM420/435/440-C

15-35CrMo

GML42CrMo

GS35C-1

S45CMOD

GS25C/35C/45C-A

ML08AI

XGML08AI

(XG)ML20MnTiB

SAE1006B-1018B

QSAE1018-B

WRCH7A(Q40ACR-C)

C4/8/10C

1215MS-1

(G/Q)ML45Mn2

LY1

CH1A

XGYT1

G295NH

SAE6150

20MnB4

40CrMoV4-6

SWRCH6ATi/8ATi/18ATi

SWRCH22A+Ti

GSWRCH10A

QSWRCH8A/10A/12A/15A/18A/22A-B

(XG)SWRCH10-45K

QSWRCH20K/25K/35K/40K/45K-MT

GSWRCH35K-1

QSWRCH35K-B

QSWRCH45K-C

10B33-FLT

51B20

SAE10B35

XG15B21

G10B21-C

Q10B23M-C

Q15B25-B

GML20Cr

QML20Cr-DF

GML40Cr-A/B

SCM415/420/435/440

QSCM435/440-C

ML20CrMo

S15C-45C

GS45C-1

XGS45C-JC

GS25C/35C/45C-B

ML15AI

ML35

G/QML20MnTiB-B

SAE1006/1008/1010/1018-Ti

QSAE8640-B

D106BT

QC15C-B

20CrMnTi

M8

LY

DT4

XGM6-1/2/PB

XG835NH

B7

30MnVS6

SNB16



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B16
MnB120H
Cq15
Q15MnVB-A
SCr440
FT9
GCr15-A
GCr15-L
GCr15-LX1
XGLX82A
XGLX72A-1
Q55SiCrA-1(54SiCr6)
SWRS82B
Q215
20CrMnTi
FT8-1

C15E2CM
MnB123H
Q17Cr3-B
35VB
GSwRH67B
Q85Mn
GCr15-DH
GCr15-ZWZ
QGCr15
XGLX82A-P
XGLX72B
60Si2MnA
GSwRH82B-1
LL15
30CrMnTi
LD22

G33B2-B
QSt32-3
Q37MnB5
SCr420B
FT8
GCr15
GCr15-Y
GCr15-LX
(XG)SwRH72A
XGLB72/75/82/85A(B)
55SiCrA(-1)
60Si2CrA
HG18
S20A
25MnV
QS20C-B



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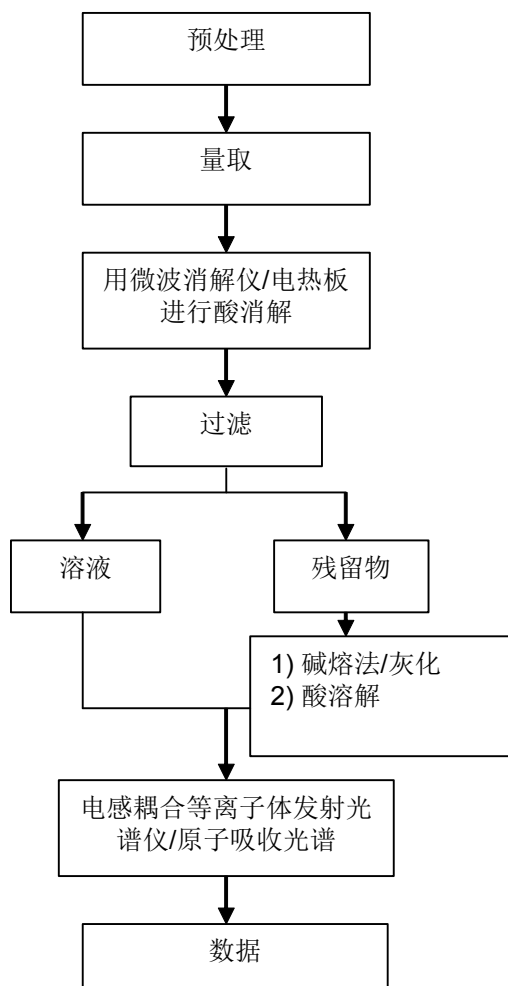
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元素(IEC62321) 测试流程图

1)样品按照下述流程被完全消解



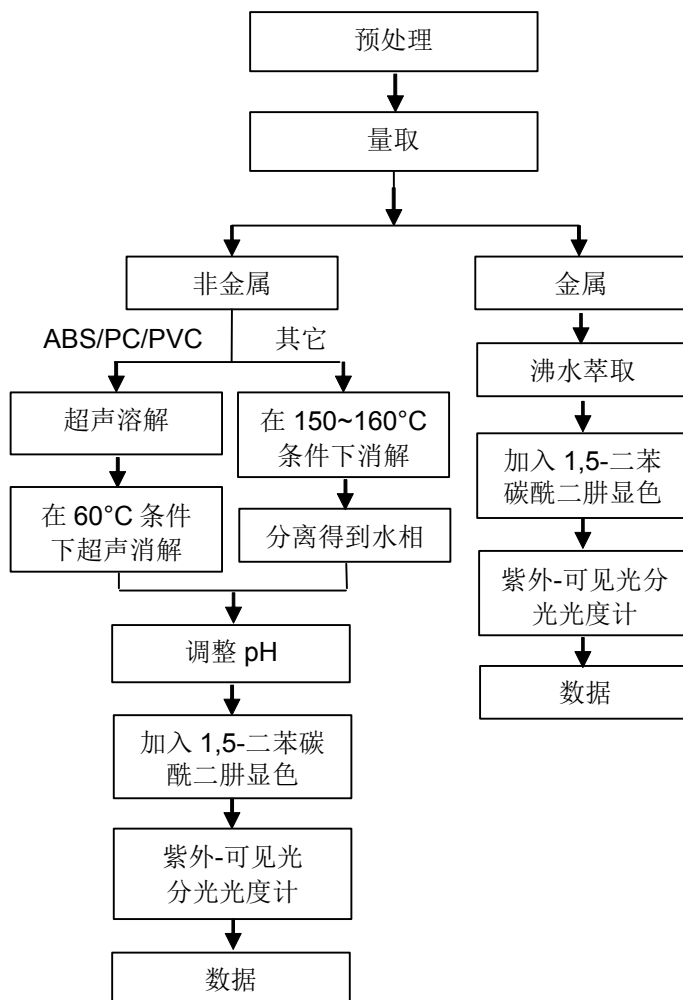
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六价铬测试流程图



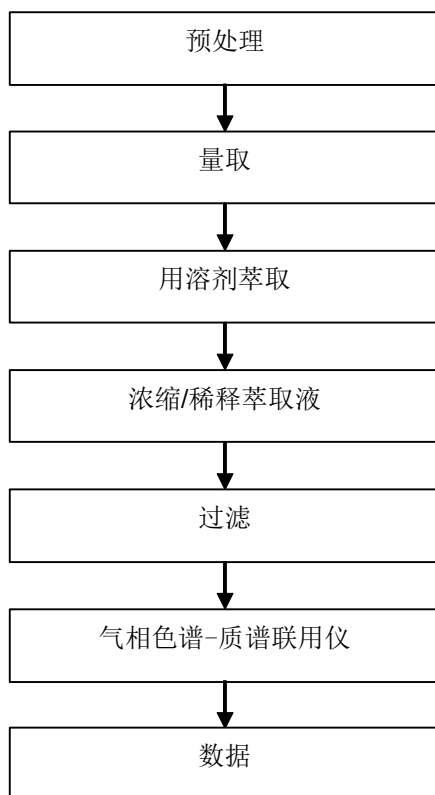
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阻燃剂测试流程图



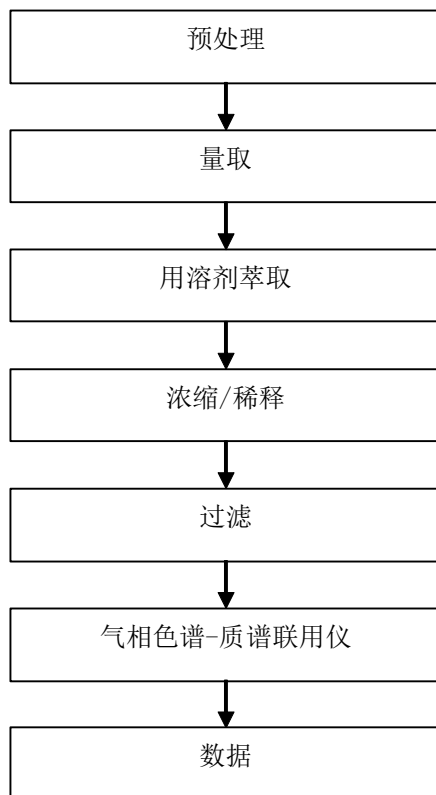
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邻苯二甲酸酯测试流程图



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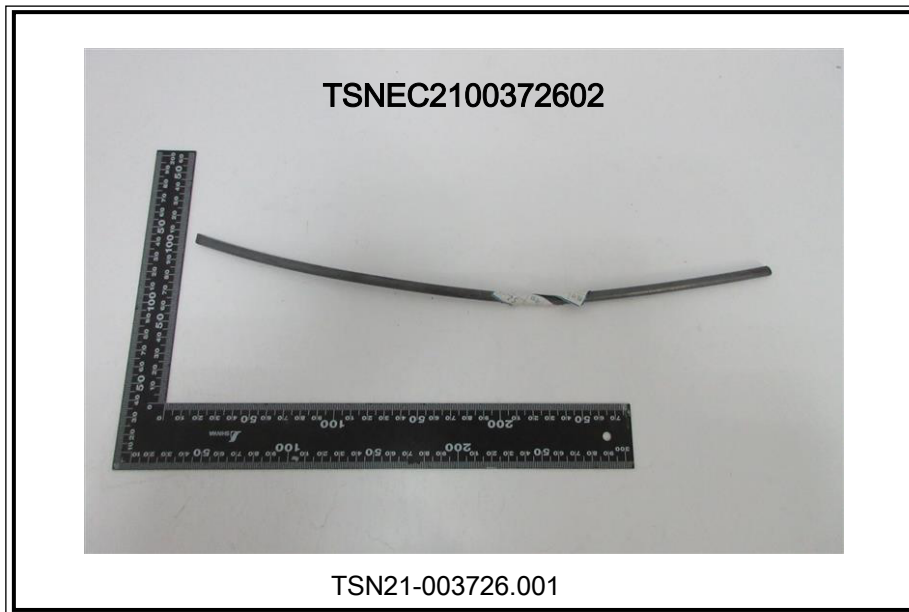
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样品照片:



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*** 报告完 ***



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