检测报告
TEST REPORT

报告编号/ Report No.	:	WTF26F03054992C
任务号/Job No.	:	FSW2603090384CJ
委托方/ Applicant	:	甬金科技集团股份有限公司 Yongjin Technology Group Co., Ltd
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样品名称/ Sample Name	:	SUS201 冷轧不锈钢/ SUS201 Cold-rolled Stainless Steel
检测要求/ Test Requested	:	参见报告下页/ Refer to next page (s)
检测方法/ Test Method	:	参见报告下页/ Refer to next page (s)
检测结论/ Test Conclusion	:	参见报告下页/ Refer to next page (s)
样品接收日期/ Date of Receipt Sample	:	2026-03-09
检测周期/ Testing Period	:	2026-03-09 ~ 2026-03-13
报告日期/ Date of Issue	:	2026-03-13
检测结果/ Test Result	:	参见报告下页/ Refer to next page (s)

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Waltek Testing Group (Foshan) Co., Ltd.

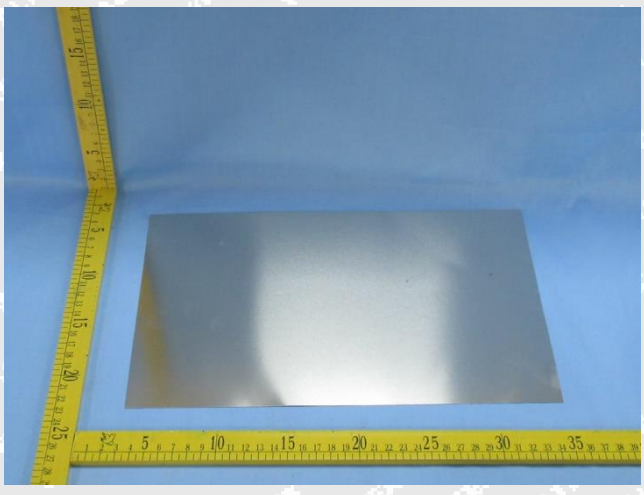
检验检测专用章
Inspection & Testing Services

梁志聪/Swing Liang

WTF26F03054992C

检测要求 Test Requested	检测结论 Test Conclusion
1. 根据欧盟 RoHS 指令 2011/65/EU 及其修订指令 EU 2015/863，测试送检样品中铅、镉、汞、六价铬、多溴联苯、多溴二苯醚、DBP、BBP、DEHP、DIBP 的含量。 With reference to EU RoHS Directive 2011/65/EU and its amendment Directive EU 2015/863, to determine the Pb, Cd, Hg, Cr^{6+}, PBBs, PBDEs, DBP, BBP, DEHP, DIBP content in the submitted sample.	符合 Pass
2. 根据客户要求，测试送检样品中铍(Be)、锑(Sb)的含量。 As specified by client, to determine the Beryllium(Be), Antimony(Sb) content in the submitted sample.	见结果 See Result(s)
3. 根据客户要求，测试送检样品中氟(F)、氯(Cl)、溴(Br)、碘(I)的含量。 As specified by client, to determine the Fluorine(F), Chlorine(Cl), Bromine(Br), Iodine(I) content in the submitted sample.	见结果 See Result(s)
4. 根据客户要求，测试送检样品中全氟辛烷磺酸(PFOS)及其盐，全氟辛烷磺酸(PFOS)相关化合物的含量。 As specified by client, to determine the Perfluorooctane sulfonic acid (PFOS) and its salts, PFOS-related compounds content in the submitted sample.	见结果 See Result(s)
5. 根据客户要求，测试送检样品中全氟辛酸（PFOA）及其盐、全氟辛酸（PFOA）相关化合物的含量。 As specified by client, to determine the Perfluorooctanoic acid (PFOA) and its salts, PFOA-related compounds content in the submitted sample.	见结果 See Result(s)

样品图片 / Sample Photo:



No.1

测试结果/ Test Results:

欧盟 RoHS-铅、镉、汞、六价铬、多溴联苯、多溴二苯醚、DBP、BBP、DEHP、DIBP/ EU RoHS-Pb, Cd, Hg, Cr^{6+}, PBBs, PBDEs, DBP, BBP, DEHP, DIBP

检测方法/仪器/ Test Method/Equipment:

-参考 IEC 62321-5:2013，使用 ICP-OES 检测铅，镉含量

-参考 IEC 62321-4:2013+AMD1:2017 CSV，使用 ICP-OES 检测汞含量

-参考 IEC 62321-7-1:2015，使用 UV-Vis 检测六价铬含量

-参考 IEC 62321-12:2023，使用 GC-MS 检测多溴联苯，多溴二苯醚，DBP，BBP，DEHP，DIBP 含量

-With reference to IEC 62321-5:2013, determination of Pb, Cd by ICP-OES

-With reference to IEC 62321-4:2013+AMD1:2017 CSV, determination of Hg by ICP-OES

-With reference to IEC 62321-7-1:2015, determination of Cr^{6+} by UV-Vis

-With reference to IEC 62321-12:2023, determination of PBBs, PBDEs, DBP, BBP, DEHP, DIBP by GC-MS

检测项目 Test Item(s)	单位 Unit	定量限 LOQ	结果 Result(s)	限值 Limit
			No.1	
铅(Pb)/ Lead(Pb)	mg/kg	2	ND	1000
镉(Cd)/ Cadmium(Cd)	mg/kg	2	ND	100
汞(Hg)/ Mercury(Hg)	mg/kg	2	ND	1000
六价铬(Cr^{6+})/ Hexavalent Chromium(Cr^{6+})	μg/cm²	0.10	阴性 Negative	▲
多溴联苯(PBBs)/ Polybrominated Biphenyls(PBBs)	mg/kg	--	ND	1000
一溴联苯/ Mono-bromobiphenyl	mg/kg	5	ND	--
二溴联苯/ Di-bromobiphenyl	mg/kg	5	ND	--
三溴联苯/ Tri-bromobiphenyl	mg/kg	5	ND	--
四溴联苯/ Tetra-bromobiphenyl	mg/kg	5	ND	--
五溴联苯/ Penta-bromobiphenyl	mg/kg	5	ND	--
六溴联苯/ Hexa-bromobiphenyl	mg/kg	5	ND	--
七溴联苯/ Hepta-bromobiphenyl	mg/kg	5	ND	--
八溴联苯/ Octa-bromobiphenyl	mg/kg	5	ND	--
九溴联苯/ Nona-bromobiphenyl	mg/kg	5	ND	--
十溴联苯/ Deca-bromobiphenyl	mg/kg	5	ND	--
多溴二苯醚(PBDEs)/ Polybrominated Diphenyl Ethers(PBDEs)	mg/kg	--	ND	1000
一溴二苯醚/ Mono-bromodiphenyl ether	mg/kg	5	ND	--
二溴二苯醚/ Di-bromodiphenyl ether	mg/kg	5	ND	--
三溴二苯醚/ Tri-bromodiphenyl ether	mg/kg	5	ND	--
四溴二苯醚/ Tetra-bromodiphenyl ether	mg/kg	5	ND	--
五溴二苯醚/ Penta-bromodiphenyl ether	mg/kg	5	ND	--
六溴二苯醚/ Hexa-bromodiphenyl ether	mg/kg	5	ND	--
七溴二苯醚/ Hepta-bromodiphenyl ether	mg/kg	5	ND	--

检测项目 Test Item(s)	单位 Unit	定量限 LOQ	结果 Result(s)	限值 Limit
			No.1	
八溴二苯醚/ Octa-bromodiphenyl ether	mg/kg	5	ND	--
九溴二苯醚/ Nona-bromodiphenyl ether	mg/kg	5	ND	--
十溴二苯醚/ Deca-bromodiphenyl ether	mg/kg	5	ND	--
邻苯二甲酸二正丁酯(DBP)/ Dibutyl phthalate(DBP)	mg/kg	50	ND	1000
邻苯二甲酸丁苄酯(BBP)/ Butylbenzyl phthalate(BBP)	mg/kg	50	ND	1000
邻苯二甲酸二(2-乙基己基)酯(DEHP)/ Di-(2-ethylhexyl) phthalate(DEHP)	mg/kg	50	ND	1000
邻苯二甲酸二异丁酯(DIBP)/ Di-iso-butyl phthalate(DIBP)	mg/kg	50	ND	1000
结论 / Conclusion	--	--	符合 Pass	--

铍(Be)、锑(Sb)/ Beryllium(Be), Antimony(Sb)

检测方法/仪器/ Test Method/Equipment:

-参考 EPA 3052:1996 & EPA 6010C:2007，使用 ICP-OES 检测特定元素含量

-With reference to EPA 3052:1996 and EPA 6010C:2007, determination of specific elements by ICP-OES

检测项目 Test Item(s)	单位 Unit	定量限 LOQ	结果 Result(s)
			No.1
铍(Be)/ Beryllium(Be)	mg/kg	10	ND
锑(Sb)/ Antimony(Sb)	mg/kg	10	ND

氟、氯、溴、碘/ Fluorine(F), Chlorine(Cl), Bromine(Br), Iodine(I)

检测方法/仪器/ Test Method/Equipment:

-参考 EN 14582:2016，使用 IC 检测氟(F)、氯(Cl)、溴(Br)、碘(I)含量

-With reference to EN 14582:2016, determination of Fluorine(F), Chlorine(Cl), Bromine(Br), Iodine(I) by IC

检测项目 Test Item(s)	单位 Unit	定量限 LOQ	结果 Result(s)
			No.1
氟(F)/ Fluorine(F)	mg/kg	50	ND
氯(Cl)/ Chlorine(Cl)	mg/kg	50	ND
溴(Br)/ Bromine(Br)	mg/kg	50	ND
碘(I)/ Iodine(I)	mg/kg	50	ND

全氟辛烷磺酸(PFOS)及其盐，全氟辛烷磺酸(PFOS)相关化合物/ Perfluorooctane sulfonic acid (PFOS) and its salts, PFOS-related compounds

检测方法/仪器/ Test Method/Equipment:

-参考 US EPA 3540C:1996 & US EPA 8321B:2007，使用 LC-MS/MS 检测全氟辛烷磺酸(PFOS)及其盐，全氟辛烷磺酸(PFOS)相关化合物含量

-With reference to US EPA 3540C:1996 and US EPA 8321B:2007, determination of Perfluorooctane sulfonic acid (PFOS) and its salts, PFOS-related compounds by LC-MS/MS

检测项目 Test Item(s)	单位 Unit	定量限 LOQ	结果 Result(s)
			No.1
全氟辛烷磺酸(PFOS)及其盐/ Perfluorooctane sulfonic acid (PFOS) and its salts	mg/kg	0.025	ND
全氟辛烷磺酸(PFOS)相关化合物/ PFOS-related compounds	mg/kg	0.025	ND

全氟辛酸（PFOA）及其盐、全氟辛酸（PFOA）相关化合物/ Perfluorooctanoic acid (PFOA) and its salts, PFOA-related compounds

检测方法/仪器/ Test Method/Equipment:

-参考 US EPA 3540C:1996 & US EPA 8321B:2007，使用 LC-MS/MS 检测全氟辛酸（PFOA）及其盐，全氟辛酸（PFOA）相关化合物含量

-With reference to US EPA 3540C:1996 and US EPA 8321B:2007, determination of Perfluorooctanoic acid (PFOA) and its salts, PFOA-related compounds by LC-MS/MS

检测项目 Test Item(s)	单位 Unit	定量限 LOQ	结果 Result(s)
			No.1
全氟辛酸（PFOA）及其盐/ Perfluorooctanoic acid (PFOA) and its salts	mg/kg	0.025	ND
全氟辛酸（PFOA）相关化合物/ PFOA-related compounds	mg/kg	0.025	ND

备注/ Note:

(1)μg/cm² =微克每平方厘米/ μg/cm² =microgram per square centimeter

(2)mg/kg (毫克每千克) = ppm (百万分之)/ mg/kg (milligram per kilogram) = ppm (parts per million)

(3)ND=未检出，检测值小于定量限/ ND=Not Detected or lower than limit of quantitation

(4)LOQ =定量限/ LOQ =Limit of quantitation

(5)"--"=未规定/ "--"=Not regulated

(6)▲=根据 IEC 62321-7-1：2015 沸水萃取：

阴性 = 表示涂层不存在 Cr^{6+}，即在沸水萃取溶液中六价铬浓度小于 0.10μg/cm²

不确定 = 即在沸水萃取溶液中六价铬浓度大于或等于 0.10μg/cm²和小于或等于 0.13μg/cm²

阳性 = 表示涂层存在 Cr^{6+}，即在沸水萃取溶液中六价铬浓度大于 0.13μg/cm²

关于金属样品的保存条件和生产日期将不能被采用，其测试结果只能证明当下方法测试下样品是否存在/不存在 Cr^{6+}。

▲ = According to IEC 62321-7-1:2015, boiling water extraction:

Negative = Absence of Cr^{6+} coating, the detected concentration in boiling water extraction solution is less than 0.10μg/cm².

Inconclusive = the detected concentration in boiling water extraction solution is greater than or equal to 0.10μg/cm² and less than or equal to 0.13μg/cm².

Positive = Presence of Cr^{6+} coating, the detected concentration in boiling water extraction solution is greater than 0.13μg/cm².

Information on storage conditions and production date of the tested sample is unavailable and thus Cr^{6+} results represent status of the sample at the time of testing.

测试流程图 / Testing Flow chart:

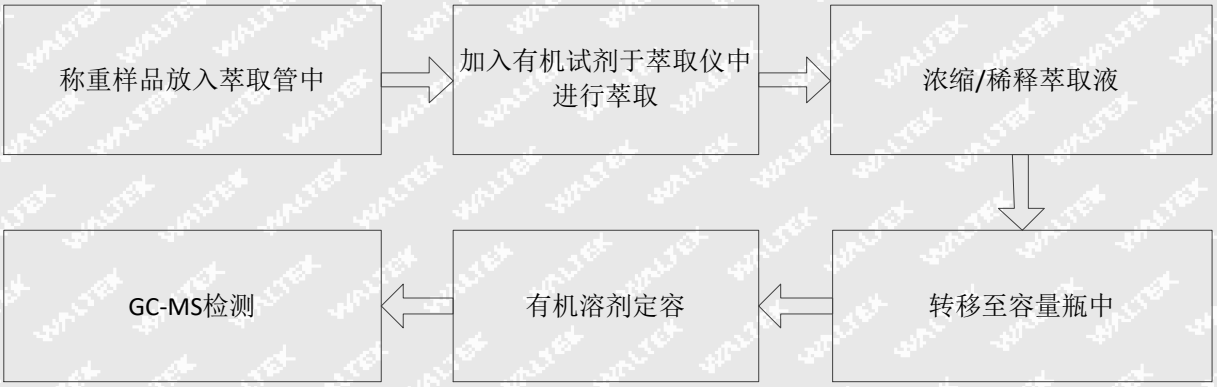
铍(Be)、锑(Sb)、铅(Pb)、镉(Cd)、汞(Hg)



六价铬(Cr^{6+})



多溴联苯(PBBs)、多溴二苯醚(PBDEs)、邻苯二甲酸二正丁酯(DBP)、邻苯二甲酸丁苄酯(BBP)、邻苯二甲酸二(2-乙基己基)酯(DEHP)、邻苯二甲酸二异丁酯(DIBP)



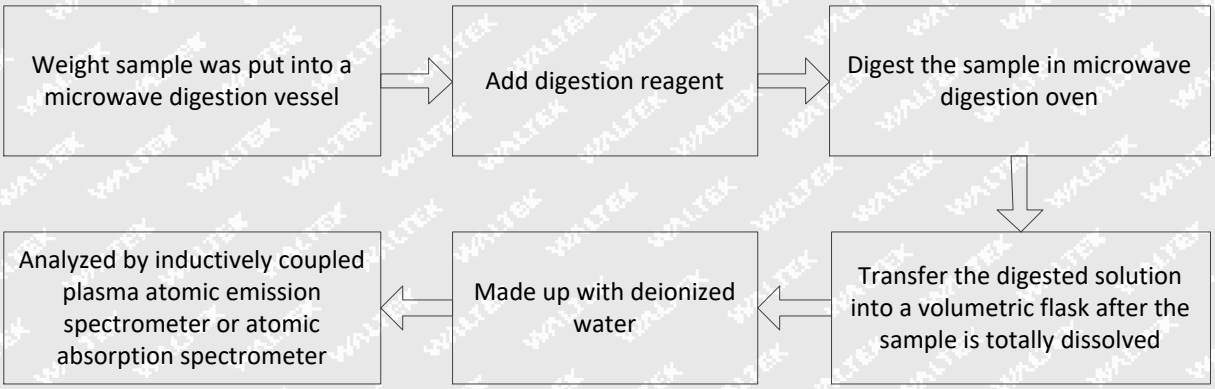
氟(F)、氯(Cl)、溴(Br)、碘(I)



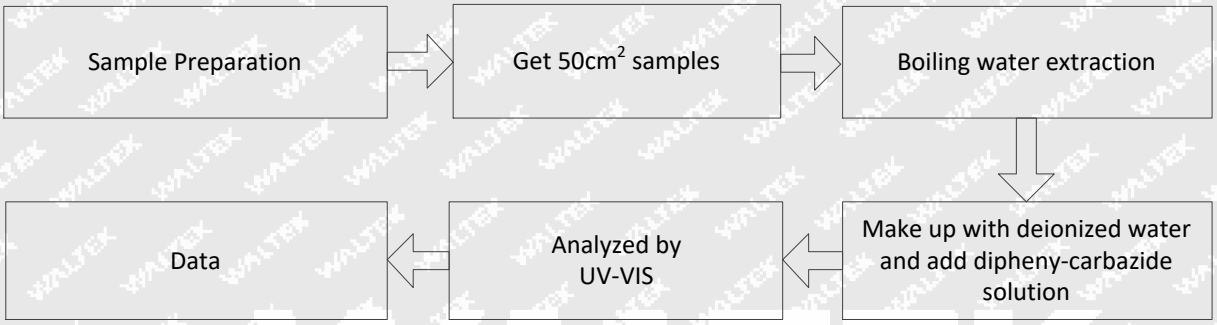
全氟辛酸（PFOA）及其盐、全氟辛酸（PFOA）相关化合物、全氟辛烷磺酸(PFOS)及其盐，全氟辛烷磺酸(PFOS)相关化合物



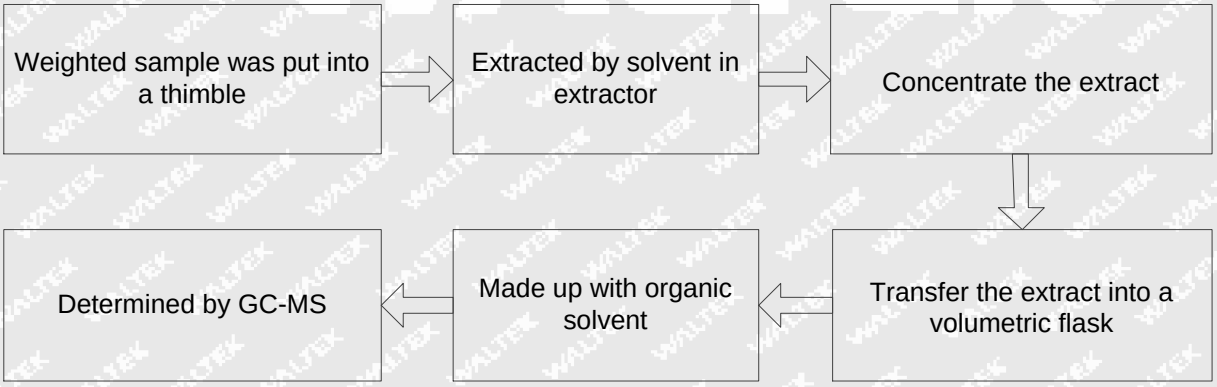
Beryllium(Be), Antimony(Sb), Lead(Pb), Cadmium(Cd), Mercury(Hg)



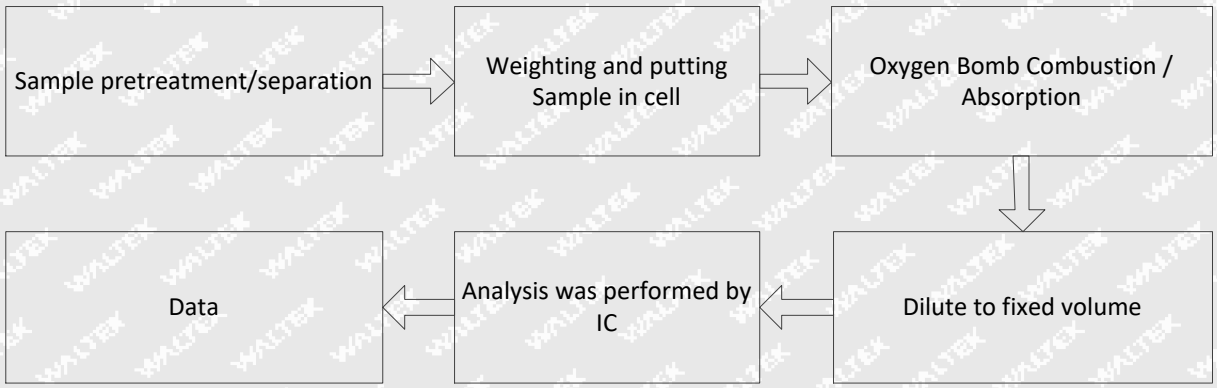
Hexavalent Chromium(Cr^{6+})



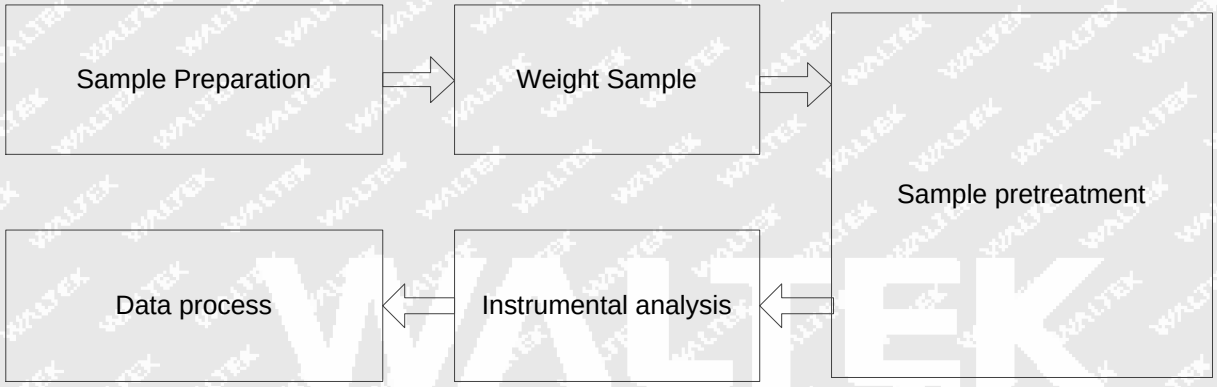
Polybrominated Biphenyls(PBBs), Polybrominated Diphenyl Ethers(PBDEs), Dibutyl phthalate(DBP), Butylbenzyl phthalate(BBP), Di-(2-ethylhexyl) phthalate(DEHP), Di-iso-butyl phthalate(DIBP)



Fluorine(F), Chlorine(Cl), Bromine(Br), Iodine(I)



Perfluorooctanoic acid (PFOA) and its salts, PFOA-related compounds, Perfluorooctane sulfonic acid (PFOS) and its salts, PFOS-related compounds



样品描述 / Specimen Description:

样品 ID Specimen ID	样品编号 Specimen No.	样品描述 Specimen Description
FSW2603090384CJ. 1	1	银色金属板 Silvery metal plate

备注/ Remarks:

1. 检验检测结果仅对测试样品负责;
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   The Applicant name and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which Waltek hasn't verified;
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   The sample material information (Model No. information) is provided by client, not verified by test laboratory. The samples of reference Model No. are not tested. Test laboratory not responsible for the accuracy, appropriateness, completeness and authenticity of the information provided by client.

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