



# 检测报告 TEST REPORT

报告编号/ Report No..... : WTF24F07180104C  
委托方/ Applicant ..... : 江苏江南精密金属材料有限公司  
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Wuyi Village, Hengshanqiao Town, Wujin District.  
Changzhou City  
样品名称/ Sample Name ..... : 炫彩钢/ Xuancai 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 ..... : 2024-07-31  
检测周期/ Testing period ..... : 2024-07-31 ~ 2024-08-07  
报告日期/ Date of Issue..... : 2024-08-07  
检测结果/ Test Result..... : 参见报告下页/ Refer to next page (s)

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梁志聪  
梁志聪/Swing.Liang



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## 汇总 / Summary

检测要求 Test Requested	检测结论 Test Conclusion
1) 根据REACH法规1907/2006附录17第20项, 及其修订法案276/2010 (以前由2009/425/EC决议管控), 测试送检样品中有机锡的含量 To determine the Organic tins content in the submitted sample according to Annex XVII Items 20 of the REACH Regulation (EC) No.1907/2006 & amendment (EU) No. 276/2010 (formerly known as decision 2009/425/EC)	符合 Pass
2) 根据REACH法规1907/2006附录17第68项, 及其修订法案(EU) 2021/1297, 测试送检样品中含有9-14个碳原子的全氟羧酸(C9-C14 PFCAs)及其盐类和C9-C14 PFCA相关物质的含量 To determine the Perfluorocarboxylic acids containing 9 to 14 carbon atoms in the chain(C9-C14 PFCAs) and their salts and C9-C14 PFCA-related substances content in the submitted sample according to Annex XVII Items 68 of the REACH Regulation (EC) No.1907/2006 & amendment (EU) No. 2021/1297	符合 Pass

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**测试结果/ Test Results:****1) 有机锡/ Organic tins**

测试方法: 参考DIN EN ISO 17353:2005, 使用GC-MS分析

Test Method: With reference to DIN EN ISO 17353:2005, analysis by GC-MS.

测试项目 Test Item	定量限 LOQ(mg/kg)	结果/Result (mg/kg)	限值 Limit (mg/kg)
		No.7	
三丁基锡(TBT) Tributyl Tin(TBT)	50	ND	1000
三苯基锡(TPhT) Triphenyl Tin(TPhT)	50	ND	1000
三辛基锡(TOT) Trioctyltin (TOT)	50	ND	1000
三环己基锡(TCyT) Tricyclohexyltin(TCyT)	50	ND	1000
三丙基锡(TPrT) Tripropyltin(TPrT)	50	ND	1000
三甲基锡(TMT) Trimethyltin(TMT)	50	ND	1000
三取代有机锡化合物总和 Sum of tri-substituted organotins	50	ND	1000
二丁基锡(DBT) Dibutyl Tin(DBT)	50	ND	1000
二辛基锡(DOT) Dioctyl Tin(DOT)	50	ND	1000
结论 Conclusion	--	符合 Pass	--

**备注/Note:**

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

(2) mg/kg (毫克每千克)= ppm (百万分之一)

(3) LOQ =定量限/ Limit of quantitation

(4) 以上限值引用自REACH法规1907/2006附录17第20项, 及其修订法案276/2010。/ The above limit was quoted from Annex XVII Items 20 of the REACH Regulation (EC) No.1907/2006 &amp; amendment (EU) No. 276/2010 (formerly known as decision 2009/425/EC).



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**2) 含有9-14个碳原子的全氟羧酸(C9-C14 PFCAs)及其盐类和C9-C14 PFCA相关物质/Perfluorocarboxylic acids containing 9 to 14 carbon atoms in the chain(C9-C14 PFCAs) and their salts and C9-C14 PFCA-related substances**

测试方法: 参考US EPA 3550C:2007及US EPA 8321B:2007, 溶剂萃取, 采用LC-MS/MS进行分析

Test Method: With reference to US EPA 3550C:2007&amp;US EPA 8321B:2007, solvent extraction, analysis was performed by LC-MS/MS.

测试项目 Test Item(s)	CAS号 CAS No.	测试结果 Test Results (mg/kg)	定量限 LOQ (mg/kg)	限值 Limit (mg/kg)
		No.7		
全氟壬酸 (PFNA) Perfluorononane Acid (PFNA)	375-95-1	ND	0.025	--
全氟癸酸 (PFDA) Perfluorodecane Acid (PFDA)	335-76-2	ND	0.025	--
全氟十一烷酸 (PFUdA) Perfluoroundecanoic Acid (PFUdA)	2058-94-8	ND	0.025	--
全氟十二烷酸 (PFDaA) Perfluorododecanoic Acid (PFDaA)	307-55-1	ND	0.025	--
全氟十三烷酸 (PFTrA) Perfluorotridecanoic Acid (PFTrA)	72629-94-8	ND	0.025	--
全氟十四烷酸 (PFTeA) Perfluorotetradecanoic Acid (PFTeA)	376-06-7	ND	0.025	--
全氟-3,7-二甲基辛酸 (PF-3,7-DMOA) Perfluoro-3,7-dimethyloctanoic Acid (PF-3,7-DMOA)	172155-07-6	ND	0.025	--
全氟癸烷磺酸钠 (PFDS-Na) Perfluorodecanesulfonate Na-salt (PFDS-Na)	2806-15-7	ND	0.025	--
全氟壬酸钠 (PFNA-Na) Perfluorononanoate Na-Salt (PFNA-Na)	21049-39-8	ND	0.025	--
全氟癸酸钠 (PFDA-Na) Perfluorodecanoate Na-salt (PFDA-Na)	3830-45-3	ND	0.025	--
全氟癸酸氨 (APFDA) Perfluorodecanoate ammonium salt (APFDA)	3108-42-7	ND	0.025	--
全氟癸烷磺酸钾 (PFDS-K) Perfluorodecanesulfonate K-salt (PFDS-K)	2806-16-8	ND	0.025	--
全氟癸基磺酸铵 (PFDS-NH <sub>4</sub> ) Perfluoroaliphatic Dean-sulfonate salt of NH <sub>4</sub> (PFDS-NH <sub>4</sub> )	67906-42-7	ND	0.025	--
C9-C14 PFCAs及其盐总和 Sum of C9-C14 PFCAs including their salt	--	ND	--	0.025
1H,1H,2H,2H-全氟十二烷基丙烯酸酯 (10:2 FTA) 1H,1H,2H, 2H-Perfluorododecylacrylate (10:2 FTA)	17741-60-5	ND	0.1	--
1H,1H,2H,2H-全氟-1-十二醇(10:2 FTOH) 1H,1H,2H,2H-Perfluoro-1-dodecanol (10:2 FTOH)	865-86-1	ND	0.1	--
C9-C14 PFCA相关物质总和 Sum of C9-C14 PFCA-related substance	--	ND	--	0.26
结论 Conclusion	--	符合 Pass	--	--





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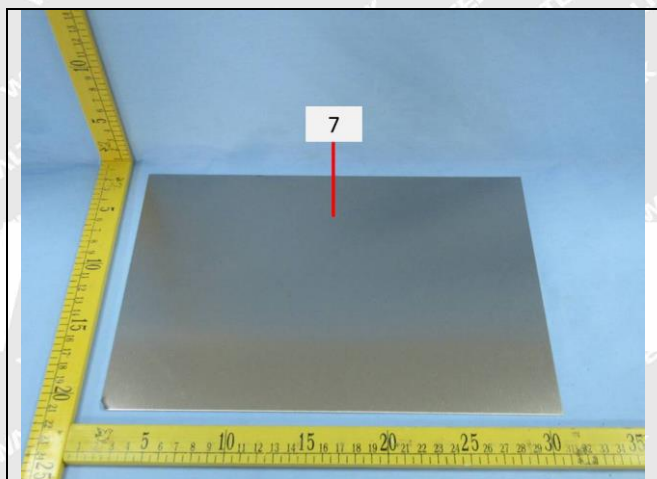
**备注/Note:**

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- (3) LOQ =定量限/ Limit of quantitation
- (4) 限值引用自REACH法规1907/2006附录17第68项, 及其修订法案(EU) 2021/1297/ The above limit was quoted from Annex XVII Items 68 of the REACH Regulation (EC) No.1907/2006 & amendment (EU) No. 2021/1297

**样品描述 / Specimen Description:**

样品编号 Specimen No.	样品描述 Specimen Description
7	透明涂层 Transparent coating

**测试部位图片 / Photograph of parts tested:**





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**备注/ Remarks:**

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=====报告结束/ End of Report =====

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