



中国认可
国际互认
检测
TESTING
CNAS L0095

检 测 报 告
TEST REPORT

样品名称: 钛带箔材
Titanium strip and foil

SAMPLE NAME

委托单位: 宝鸡钛谷钛镍锆材料加工有限公司
Baoji Titanium Valley Titanium Nickel Zirconium
Material Processing Co., Ltd.

APPLICANT

检测类别: 委托检测
Commission Test

TEST CLASSIFICATION



检测报告

TEST REPORT

样品名称 Sample name	钛带箔材 Titanium strip and foil	商标 Trade mark	
样品数量 Sample quantity	1 批 1 batch	型号规格 Type/ Model	0.02mm -0.05mm 最宽做到 200mm : 0.05 (含) -0.3mm 最宽做到 . 680mm 0.02mm -0.05mm maximum width up to 200mm ;0.05mm (inclusive)-0.3mm width up to 680mm
委托单位 Applicant	宝鸡钛谷钛镍锆材料加工有限公司 Baoji Titanium Valley Titanium Nickel Zirconium Material Processing Co., Ltd.	地址 Address	陕西省宝鸡市高新开发区宝钛 路清庵堡产业园钛及新材料产 业园（清庵堡园区）13#、14# 厂房 Factory buildings 13# and 14#, Titanium and New Materials Industrial Park, Baotai Road Weibin District, Baoji City, Shanxi Province.
制造商 Manufacturer	宝鸡钛谷钛镍锆材料加工有限公司 Baoji Titanium Valley Titanium Nickel Zirconium Material Processing Co., Ltd.	地址 Address	陕西省宝鸡市高新开发区宝钛 路清庵堡产业园钛及新材料产 业园（清庵堡园区）13#、14# 厂房 Factory buildings 13# and 14#, Titanium and New Materials Industrial Park, Baotai Road Weibin District, Baoji City, Shanxi Province.
生产企业 Factory	宝鸡钛谷钛镍锆材料加工有限公司 Baoji Titanium Valley Titanium Nickel Zirconium Material Processing Co., Ltd.	地址 Address	陕西省宝鸡市高新开发区宝钛 路清庵堡产业园钛及新材料产 业园（清庵堡园区）13#、14# 厂房 Factory buildings 13# and 14#, Titanium and New Materials Industrial Park, Baotai Road Weibin District, Baoji City, Shanxi Province.
样品识别 Sample identification		接样日期 Sample receiving date	2026-06-23

检测类别 Test classification	委托检测 Commission Test	完成日期 Completing Date	2026-07-02
检测项目/参数 Test item/parameter	铅、镉、汞、六价铬、多溴联苯、多溴二苯醚、邻苯二甲酸酯(DEHP,BBP,DBP,DIBP) The content of Pb, Cd, Hg, Cr(VI),PBBs,PBDEs,DEHP,BBP,DBP,DIBP		
检测依据 TestedAccording to	IEC 62321-1:2013;IEC 62321-2:2021;IEC62321-3-1:2013		
检测结论 Test result	根据委托方要求，对委托方提供的样品进行检测，所检项目检测结果符合欧盟 RoHS 指令2011/65/EU 附录 II 修订指令(EU)2015 /863。 According to the requirement from the applicant, samples provided by the applicant were tested. The tested items comply with Annex II (Directive (EU)2015 /863) to Directive 2011/65/EU. 检测单位/ Seal of CVC 签发日期/ Date of Issue: 2026-07-24 检验检测专用章		

批准: 夏庆云

夏庆云

Approved by: Xia Qingyun

Xia Qingyun

审核: 周烨

周烨

Reviewed by: Zhou Ye

Zhou Ye

主检: 蔡冰娜

蔡冰娜

Tested by: Cai Bingna

Cai Bingna

样品描述的说明 Sample Description	
抽样程序的说明 Sampling Procedure	—
偏离标准方法的说明 Deviation From Methods	
检测地点的说明 Test Location	全部项目检测地点为广东省广州市科学城开泰大道天泰一路3 号 The testing location for all projects is No.3, TiantaiyiRoad, Kaitai Avenue, Science City, Guangzhou, Guangdong,P. R. China
备注 Remarks	

样品照片
Sample Picture



样品拆分清单					
Sample Material list					
序号 No.	组件/部件/元器件 Component		检测单元 Test Unit		备注 Remark
	编号 No.	描述 Description	编号 No.	描述 Description	
1	1	钛带箔材 Titanium strip and foil	1	银色金属片 Silver metal slice	

检测结果及判定					
Test Result and Verdict					
检测单元 编号 Test Unit No.	检测单元描述 Test Unit Description	限用物质 Restricted substances	筛选检测结果 (mg / kg) Screening Result(mg / kg)	确证检测结果 (mg / kg) Verification Test Result(mg / kg)	判定 Verdict
1	银色金属片 Silver metal slice	铅(Pb)	BL	/	P
		镉(Cd)	BL	/	P
		汞(Hg)	BL	/	P
		六价铬(Cr(VI))	BL	l	P
		多溴联苯(PBBs)	/	/	/
		多溴二苯醚(PBDEs)		/	/
		邻苯二甲酸二(2-乙基)己酯(DEHP)	/	/	/
		邻苯二甲酸丁苄酯(BBP)	l	/	/
		邻苯二甲酸二正丁酯(DBP)	/	/	/
		邻苯二甲酸二异丁酯(DIBP)	/	/	l

备注 (Remarks):

- 1) 对于 PBBs 和 PBDEs , 其筛选检测结果显示的是总 Br 含量, 对于 Cr^{6+} , 其筛选检测结果显示的是总 Cr 含量;

For PBBs and PBDEs, the screening test results show the total Br content, while for Cr^{6+} , the screening test results show the total Cr content;

- 2) “BL”表示“低于筛选检测的限值”, “OL”表示“超过筛选检测的限值”, “X”表示“需进行确证检测”;

"BL" means" Below the limit of the screening test", "OL" means" Exceed the limit of the screening test", "X" means" the need for Verification Test";

- 3) “N. D.”表示“未检出低于方法检出限”;

"N. D." means" Not Detected (Below MDL) ";

- 4) “P”表示“通过”, “F”表示“不通过”;

"P" means" Pass", "F" means" Fail";

- 5) 筛选检测的限值范围见下表:

XRF Screening limits scope:

单位 Unit: mg/kg

检测物质 Test Item	聚合物 Polymeride	金属材料 Metal	复合材料 Composite material
Cd	BL $\leq 70-3 \sigma < X$ < (130+3 σ) $\leq$ OL	BL $\leq 70-3 \sigma < X$ < (130+3 σ) $\leq$ OL	20 < X < (150+3 σ) $\leq$ OL
Pb	BL $\leq 700-3 \sigma < X$ < (1300+3 σ) $\leq$ OL	BL $\leq 700-3 \sigma < X$ < (1300+3 σ) $\leq$ OL	BL $\leq 500-3 \sigma < X$ < (1500+3 σ) $\leq$ OL
Hg	BL $\leq 700-3 \sigma < X$ < (1300+3 σ) $\leq$ OL	BL $\leq 700-3 \sigma < X$ < (1300+3 σ) $\leq$ OL	BL $\leq 500-3 \sigma < X$ < (1500+3 σ) $\leq$ OL
总 Br Total Br	BL $\leq 300-3 \sigma < X$		BL $\leq 250-3 \sigma < X$
总 Cr Total Cr	BL $\leq 700-3 \sigma < X$	BL $\leq 700-3 \sigma < X$	BL $\leq 500-3 \sigma < X$

- 6) 筛选检测各检测物质的方法检出限见下表:

The MDLs of screening test of each item are shown in the following table:

单位 Unit: mg/kg

检测物质 Test Item	Cd	Pb	Hg	总 Br Total Br	总 Cr Total Cr
方法检出限 MDL	20	20	20	20	20

- 7) 确证检测的限值和方法检出限见下表:

The requirements and MDLs of Verification Test are shown in the following table:

单位 Unit: mg/kg

检测物质 Test Item	Cd	Pb	Hg	其他材料中的 Cr^{6+} Other material Cr^{6+}	金属材料中的 Cr^{6+} Metal material Cr^{6+}	PBBs	PBDEs	DEHP	BBP	DBP	DIBP
限值 Requirements	100	1000	1000	1000	见备注8)	1000	1000	1000	1000	1000	1000

方法检出限 MDL	5	5	5	8	See remark 8)	50	50	50	50	50	50
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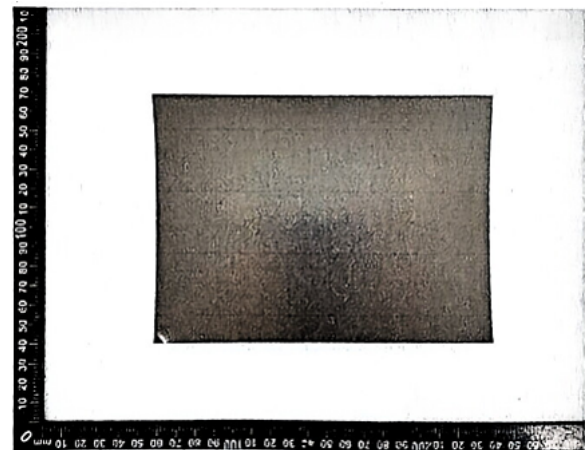
- 8) 金属材料 Cr^{6+} 检测结果的表述为: 由表面积为 50cm^2 的样品所萃取出来的溶液中测得的六价铬的浓度, 阴性表示六价铬小于 $0.10\text{ }\mu\text{g}/\text{cm}^2$, 判定为: 阴性(Negative), 样品合格; 阳性表示六价铬大于 $0.13\text{ }\mu\text{g}/\text{cm}^2$, 判定为: 阳性(Positive), 样品不合格; 方法检出限: $0.10\text{ }\mu\text{g}/\text{cm}^2$ 。

The test results of metal material Cr^{6+} are expressed as follows:

“Negative” means the Cr^{6+} concentration is less than $0.10\text{ }\mu\text{g}/\text{cm}^2$; “Positive” means the Cr^{6+} concentration detected in the boiling water extraction solution is equal to or greater than $0.13\text{ }\mu\text{g}/\text{cm}^2$ with a sample surface area of 50 cm^2 used. MDL: $0.10\text{ }\mu\text{g}/\text{cm}^2$.

组件/部件/元器件照片

Part / Component Photos



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注意事项

Important

1. 报告无检测单位印章无效。

The test report is invalid without the official stamp of CVC.

2. 未经本实验室书面同意, 不得部分地复制本报告。

Any part photocopies of the test report are forbidden without the written permission from CVC.

3. 报告无主检、审核、批准人签名无效。

The test report is invalid without the signatures of tester, reviewer and approver.

4. 报告涂改无效。

The test report is invalid if altered.

5. 对检测报告若有异议, 请于收到报告之日起十五天内向检测单位提出。

Objections to the test report must be submitted to CVC within 15 days.

6. 一般情况, 委托检测结果适用于收到的样品。样品信息由委托单位提供, 实验室对此真实性不承担责任。

Generally, commission test results apply to the samples as received. The sample information is provided by the applicant and CVC is not responsible for its authenticity.

7. 检测结果中“—”或“N/A”表示“不适用”, “/”表示“未检测”, “P”表示“通过”或“合格”, “F”表示“不通过”或“不合格”。

As for the test result, "-" or "N" or "N/A" means "not applicable", "/" means "not testing", "P" means "pass" and "F" means "fail".

****报告中未加CMA标志时, 检测数据和结果仅供科研、教学或内部质量控制之用。****

The test data and test results given in this test report should only be used for purposes of scientific research, teaching and internal quality control when the CMA symbol is not presented.

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