

# TEST REPORT

**Applicant** : Jinan Hongjin Machinery Equipment Co., Ltd  
**Address** : 500 meters west of the intersection of Qinghe East Road and Chuangzhan Road, Yaoqiang Street, High-tech Zone, Jinan City, Shandong Province

## Report on the submitted sample said to be

**Sample name** : 304 stainless steel plate  
**Model** : 304/N04, 1.78 oil-ground short filament  
**Buyer** : N/A  
**Manufacturer** : Jiangsu Tongyuan Metal Products Co., Ltd  
**Address** : 6th Floor, No. 602, Building 39, No. 289, Fangcheng Avenue, Xinwu District, Wuxi City (Southern Stainless Steel Market).  
**Testing laboratory** : Shenzhen Huaxiang Testing Co., Ltd  
**Address** : Building B2, Junfeng Zhongcheng Intelligent Manufacturing Innovation Park, Heping Community, Fuhai Street, Bao'an District, Shenzhen City, Guangdong Province  
**Sample received date** : Nov. 07, 2024  
**Testing period** : Nov. 07, 2024- Nov. 13, 2024  
**Test Result(s)** : Please refer to the next pages

Test Sample	Test Requested:	Conclusion
001	General Recognized As Safe (GRAS) specification for US FDA regulation on Stainless steel. - Total Chromium (Cr)	Pass
	As requested by client, according to the FDA 21 CFR 175.300, to determine the total extractives on the submitted sample - Chloroform-soluble extractives in Distilled water - Chloroform-soluble extractives in 8% Alcohol - Chloroform-soluble extractives in n-Heptane	Pass

Prepared by(Test Engineer):

Kevin Su

Approved(Manager)

Amy Jiang



## Test Result:

### Sample Description

No.	Sample	Description
001	304 stainless steel plate	Stainless steel

### 1. FDA GRAS – Chromium content

Test method: To refer to US EPA 3050B:1996&US EPA 6010C:2007, the analysis was performed by ICP-OES.

Analyte	Result (%)	MDL (%)	Permissible Limit (%)
	001		
Chromium (Cr)	16.1	0.001	≥16

Note: MDL = Method Detection Limit

### 2. FDA total extractives

Test method : 21 CFR 175.300.

Analyte	Test Condition	Result(mg/inch <sup>2</sup> )	MDL (mg/inch <sup>2</sup> )	Requirement (mg/inch <sup>2</sup> )
		001		
Extractives in distilled water	120°F 24h	ND	1.0	18
Extractives in 8% ethanol	70°F 0.5h	ND	1.0	18
Extractives in n-Heptane	70°F 0.5h	ND	1.0	18

Note: mg/inch<sup>2</sup> = milligram per square inch

N.D = Not Detected.

MDL=Method Detection Limit

PICTURE OF SAMPLE



Photo 1

\*\*\*End of Report\*\*\*