

# Test Report

Report No Report No: DGF241206033HE

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**Applicant** : Niushan Dingsheng crystal firm  
**Address** : Niushan Street, Donghai County, Jiangsu Province

**The following sample(s) was/were submitted and identified on behalf of the client as:**

Product Name : Alloy spoon  
Material : Zinc alloy

Date of Sample Received : Dec. 06, 2024  
Test period : Dec. 06, 2024 - Dec. 12, 2024

**Test requested**

For material which contact with foodstuff, selected tests were performed for compliant with the following regulations:  
-Regulation 1935/2004/EC on materials and articles intended to come into contact with food;  
-Council of Europe Resolution CM/Res(2020)9 on metals and alloys used in food contact materials and articles.

**Conclusion**

Pass

**Test method** : Please refer to next page.

**Test results** : Please refer to next page.

**Approved by:**

*Richard Ke*  
Richard Ke  
(Signed for and on behalf)



Date: Report Seal

Dec. 12, 2024



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## Test results

Extractable Heavy metals test (Unit: mg/kg):

Test method: BS EN 13130-1:2004, tested by ICP-MS.

Test conditions: Artificial tap water, 100°C, 0.5h.

Soluble Element	Results (No.1)		MDL	Limit		Conclusion
	Migration of 1 <sup>st</sup> +2 <sup>nd</sup>	Migration of 3 <sup>rd</sup>		Migration of 1 <sup>st</sup> +2 <sup>nd</sup>	Migration of 3 <sup>rd</sup>	
Aluminum (Al)	N.D.	N.D.	0.2	35.0	5.0	Pass
Antimony (Sb)	N.D.	N.D.	0.02	0.28	0.04	Pass
Chromium (Cr)	N.D.	N.D.	0.10	7.0	1.0	Pass
Cobalt (Co)	N.D.	N.D.	0.01	0.14	0.02	Pass
Copper (Cu)	N.D.	N.D.	0.5	28.0	4.0	Pass
Ferrum (Fe)	N.D.	N.D.	5.0	280.0	40.0	Pass
Manganese (Mn)	N.D.	N.D.	0.2	3.85	0.55	Pass
Molybdenum (Mo)	N.D.	N.D.	0.02	0.84	0.12	Pass
Nickle (Ni)	N.D.	N.D.	0.02	0.98	0.14	Pass
Silver (Ag)	N.D.	N.D.	0.02	0.56	0.08	Pass
Tin (Sn)	N.D.	N.D.	5.0	700.0	100	Pass
Vanadium (V)	N.D.	N.D.	0.005	0.07	0.01	Pass
Zinc (Zn)	N.D.	N.D.	1.0	35.0	5.0	Pass
Zirconium (Zr)	N.D.	N.D.	0.1	14.0	2.0	Pass
Arsenic (As)	N.D.	N.D.	0.001	0.014	0.002	Pass
Barium (Ba)	N.D.	N.D.	0.2	8.4	1.2	Pass
Beryllium (Be)	N.D.	N.D.	0.005	0.07	0.01	Pass
Cadmium (Cd)	N.D.	N.D.	0.002	0.035	0.005	Pass
Lead (Pb)	N.D.	N.D.	0.002	0.070	0.010	Pass
Lithium (Li)	N.D.	N.D.	0.010	0.336	0.048	Pass
Mercury (Hg)	N.D.	N.D.	0.002	0.021	0.003	Pass
Thallium (Tl)	N.D.	N.D.	0.001	0.007	0.001	Pass
Magnesium (Mg)	N.D.	N.D.	1.0	---	---	---
Titanium (Ti)	N.D.	N.D.	1.0	---	---	---

**Dongguan NTEK Testing Technology Co., Ltd.**

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**Test Part Description:**

No.1: Ferrous metal

**Note:**

- (1) mg/kg=ppm=0.0001%;
- (2) N.D. = Not Detected ( < MDL );
- (3) MDL= Method Detection Limit;
- (4) “---” = Not regulated;

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## Photograph of Sample:



Tested sample



Reference photo

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**声明: Statement:**

1. 检测报告无批准人签字、“检测检验专用章”无效;

1. This report is considered invalid without approved signature, Detection and inspection special seal;

2. 样品及样品信息由申请者提供, 申请者应对其真实性负责, NTEK 未核实其真实性;

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Remark: When the report without CMA qualification seal, the testing data and result(s) in this report is(are) just for scientific research, education, internal quality control and product development etc.

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

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