

## Test Report

Number: GZHH00597241

Applicant: ZHEJIANG AOBASO MACHINERY CO.,LTD.  
NO.418,DENGFENG ROAD, THE NORTH  
INDUSTRIAL ZONE,TANGXIA TOWN,RUI'AN  
CITY,CHINA

Date: Jul 28, 2025

### Sample Description:

Two (2) styles of submitted samples said to be :

Item Name : **KEG Spear**  
Item No. : **A/G/M/S/D**  
Country of Origin : China  
Date Sample Received : Jun 05, 2025  
Testing Period : Jun 05, 2025 ~ Jul 14, 2025

### Tested Sample



### Tests conducted:

As requested by the applicant, refer to attached page(s) for details.

To be continued



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## Test Report

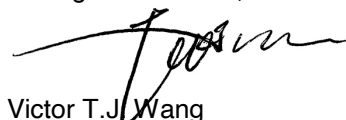
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### Conclusion:

| <u>Tested sample</u>                   | <u>Standard/Testing Item</u>                                                                                                                                                             | <u>Result</u>      |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| Tested components of submitted samples | French Law No. 2010-729 and its Amendment(s) including Law No. 2012-1442 and Decision No. 2015-480 QPC on Bisphenol A (BPA) Content                                                      | See Test Conducted |
|                                        | French DGCCRF Fiche MCDA n°1 (V02 – 01/04/2017)<br>Food contact suitability of metals and alloys and French arrêté of January 13, 1976 for total heavy metals content in stainless steel | Pass               |
|                                        | European Commission Regulation No. 10/2011 and Amendment No. 2016/1416 and No 2017/752 and No. 2020/1245 and Regulation 1935/2004 on overall migration                                   | Pass               |
|                                        | European Commission Regulation No. 10/2011 Annex II and Amendment No. 2016/1416 and No. 2017/752 and No. 2020/1245 and Regulation 1935/2004 on specific migration of heavy metal content | Pass               |
|                                        | European Commission Regulation No. 10/2011 Annex I and II and Amendments No. 2020/1245 and Regulation 1935/2004 on specific migration of Primary Aromatic Amines                         | Pass               |

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Authorized by:  
For Intertek Testing Services Shenzhen Ltd.  
Guangzhou Branch, Hardlines



Victor T.J. Wang  
General Manager



Should you have any query on this report, please click the link below:  
[https://verifyindex.intertek.com.cn/home/index?id=hl\\_report\\_verify](https://verifyindex.intertek.com.cn/home/index?id=hl_report_verify)



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## Test Report

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### Tests Conducted

- 1 French Law No. 2010-729 and its Amendment(s) including Law No. 2012-1442 and Decision No. 2015-480 QPC on Bisphenol A (BPA) Content

By solvent extraction and followed by Liquid Chromatographic / Tandem Mass Spectrometer (LC/MS/MS) analysis.

| Test Item         | CAS No. | Result (mg/kg)       | Detection Limit (mg/kg) |
|-------------------|---------|----------------------|-------------------------|
|                   |         | Tested Component (1) |                         |
| Bisphenol A (BPA) | 80-05-7 | ND                   | 0.1                     |

ND = Not detected (less than detection limit)

Tested component(s): See component list in the last section of this report

- 2 Total Heavy Metals Analysis

As per French Arrête of January 13, 1976 relating to materials and objects made out of stainless steel in contact with the food products, acid digestion method was used and followed by Inductively Coupled Argon Plasma Spectrometry analysis for heavy metals .

| Test item            | Result (%)           | Reporting Limit (%) | Limit (%) |
|----------------------|----------------------|---------------------|-----------|
|                      | Tested component (2) |                     |           |
| Tot. Molybdenum (Mo) | < 0.01               | 0.01                | Max 4.00  |
| Tot. Tantalum (Ta)   | 0.09                 | 0.01                | Max 1.00  |
| Tot. Chromium (Cr)   | 19.30                | 0.01                | Min 13.00 |
| Tot. Niobium (Nb)    | < 0.01               | 0.01                | Max 1.00  |
| Tot. Copper (Cu)     | 0.22                 | 0.01                | Max 4.00  |
| Tot. Titanium (Ti)   | < 0.01               | 0.01                | Max 4.00  |
| Tot. Zirconium (Zr)  | < 0.01               | 0.01                | Max 1.00  |
| Tot. Aluminum (Al)   | 0.01                 | 0.01                | Max 4.00  |

ND = Not detected (less than reporting limit)

Tot. = Total

Max. = Maximum

Min. = Minimum

Tested Components: See component list in the last section of this report.



## Test Report

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### Tests Conducted

- 3 European Commission Regulation No. 10/2011 and Amendment No. 2016/1416 and No 2017/752 and No. 2020/1245 and Regulation 1935/2004 on Overall Migration

Test method : With reference to Commission Regulation (EU) No. 10/2011 and its amendments , and EN 1186-3:2022 overall migration in evaporable simulants / EN 1186-2 : 2022 overall migration in vegetable oils.

#### I. Test condition:

| Tested component | Food simulant        | Time(hour) | Temperature(°C) |
|------------------|----------------------|------------|-----------------|
| (1)              | 3% (w/v) Acetic acid | 240        | 40              |
|                  | 50% (v/v) Ethanol    | 240        | 40              |

#### II. Test Results :

Tested component( 1 ):

| Food Simulant        | Result(mg/dm <sup>2</sup> ) |                           |                           | Detection Limit<br>(mg/dm <sup>2</sup> ) | Limit<br>(mg/dm <sup>2</sup> ) |
|----------------------|-----------------------------|---------------------------|---------------------------|------------------------------------------|--------------------------------|
|                      | 1 <sup>st</sup> migration   | 2 <sup>nd</sup> migration | 3 <sup>rd</sup> migration |                                          |                                |
| 3% (w/v) Acetic acid | 5                           | ND                        | ND                        | 3                                        | 10                             |
| 50% (v/v) Ethanol    | ND                          | ND                        | ND                        | 3                                        | 10                             |

ND = Not detected (less than detection limit)

Remark: As per client's request, the above condition and food simulant were used for the test.

Ratio of food contact surface area to volume used to establish the compliance of material or article:  
Component ( 1 ) = 1 dm<sup>2</sup> : 16129 mL

Verification of compliance with the limit was based on the result obtained from 3<sup>rd</sup> migration and results of 3<sup>rd</sup> migration < 2<sup>nd</sup> migration < 1<sup>st</sup> migration.

Tested component(s): See component list in last section of this report.



## Test Report

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### Tests Conducted

- 4 European Commission Regulation No. 10/2011 Annex II and Amendment No. 2016/1416 and No. 2017/752 and No. 2020/1245 and Regulation 1935/2004 on Specific Migration of Heavy Metal Content

Test method : With reference to Commission Regulation (EU) No. 10/2011 and its amendments.

#### I. Test condition:

Food simulant : 3% (w/v) Acetic acid

Temperature : 40 °C

Time : 10 days

#### II. Test result :

Tested component( 1 ) :

| Element                 | Result (mg/kg)            |                           |                           | Detection limit (mg/kg) | Limit (mg/kg) |
|-------------------------|---------------------------|---------------------------|---------------------------|-------------------------|---------------|
|                         | 1 <sup>st</sup> migration | 2 <sup>nd</sup> migration | 3 <sup>rd</sup> migration |                         |               |
| Aluminum(Al)            | ND                        | ND                        | ND                        | 0.1                     | 1             |
| Antimony(Sb)            | ND                        | ND                        | ND                        | 0.01                    | 0.04          |
| Arsenic(As)             | ND                        | ND                        | ND                        | 0.01                    | ND            |
| Barium(Ba)              | ND                        | ND                        | ND                        | 0.1                     | 1             |
| Cadmium(Cd)             | ND                        | ND                        | ND                        | 0.002                   | ND            |
| Chromium(Cr)            | ND                        | ND                        | ND                        | 0.01                    | ND            |
| Cobalt(Co)              | ND                        | ND                        | ND                        | 0.03                    | 0.05          |
| Copper(Cu)              | ND                        | ND                        | ND                        | 1                       | 5             |
| Iron(Fe)                | ND                        | ND                        | ND                        | 5                       | 48            |
| Lead(Pb)                | ND                        | ND                        | ND                        | 0.01                    | ND            |
| Lithium(Li)             | ND                        | ND                        | ND                        | 0.1                     | 0.6           |
| Manganese(Mn)           | ND                        | ND                        | ND                        | 0.1                     | 0.6           |
| Mercury(Hg)             | ND                        | ND                        | ND                        | 0.01                    | ND            |
| Nickel(Ni)              | ND                        | ND                        | ND                        | 0.01                    | 0.02          |
| Zinc(Zn)                | ND                        | ND                        | ND                        | 1                       | 5             |
| Europium(Eu)            | ND                        | ND                        | ND                        | 0.01                    | 0.05          |
| Gadolinium(Gd)          | ND                        | ND                        | ND                        | 0.01                    | 0.05          |
| Lanthanum(La)           | ND                        | ND                        | ND                        | 0.01                    | 0.05          |
| Terbium(Tb)             | ND                        | ND                        | ND                        | 0.01                    | 0.05          |
| Sum of (Eu, Gd, La, Tb) | ND                        | ND                        | ND                        | 0.04                    | 0.05          |

ND = Not detected (less than detection limit)

Ratio of food contact surface area to volume:

| Tested component | Ratio                     |
|------------------|---------------------------|
| (1)              | 0.062 dm <sup>2</sup> /kg |

Verification of compliance with the limit was based on the result obtained from 3<sup>rd</sup> migration and results of 3<sup>rd</sup> migration < 2<sup>nd</sup> migration < 1<sup>st</sup> migration. For substances which limit is "ND", the compliance was based on the 1<sup>st</sup> migration.

Tested component(s): See component list in last section of this report.



## Test Report

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### Tests Conducted

- 5 European Commission Regulation No. 10/2011 Annex I and II and Amendments No. 2020/1245 and Regulation 1935/2004 on Specific Migration of Primary Aromatic Amines

Test method : With reference to Commission Regulation (EU) No. 10/2011 and its amendments and JRC Technical Guidelines EUR 24815 EN 2011.

#### I. Test condition:

| Tested component | Food simulant        | Time(hour) | Temperature (°C) |
|------------------|----------------------|------------|------------------|
| (1)              | 3% (w/v) Acetic acid | 240        | 40               |

#### II. Test Result:

Tested component ( 1 ):

| Test Item |                                          | CAS No.  | Result (mg/kg)            |                           |                           | Detection Limit (mg/kg) | Limit (mg/kg) |
|-----------|------------------------------------------|----------|---------------------------|---------------------------|---------------------------|-------------------------|---------------|
|           |                                          |          | 1 <sup>st</sup> migration | 2 <sup>nd</sup> migration | 3 <sup>rd</sup> migration |                         |               |
| 1         | 4-Aminodiphenyl                          | 92-67-1  | ND                        | ND                        | ND                        | 0.002                   | ND            |
| 2         | Benzidine                                | 92-87-5  | ND                        | ND                        | ND                        | 0.002                   | ND            |
| 3         | 4-Chloro-o-Toluidine                     | 95-69-2  | ND                        | ND                        | ND                        | 0.002                   | ND            |
| 4         | 2-Naphthylamine                          | 91-59-8  | ND                        | ND                        | ND                        | 0.002                   | ND            |
| 5         | o-Aminoazotoluene                        | 97-56-3  | ND                        | ND                        | ND                        | 0.002                   | ND            |
| 6         | 2-Amino-4-Nitrotoluene                   | 99-55-8  | ND                        | ND                        | ND                        | 0.002                   | ND            |
| 7         | p-Chloroaniline                          | 106-47-8 | ND                        | ND                        | ND                        | 0.002                   | ND            |
| 8         | 2,4-Diaminoaniso                         | 615-05-4 | ND                        | ND                        | ND                        | 0.002                   | ND            |
| 9         | 4,4'-Diaminodiphenylmethane              | 101-77-9 | ND                        | ND                        | ND                        | 0.002                   | ND            |
| 10        | 3,3'-Dichlorobenzidine                   | 91-94-1  | ND                        | ND                        | ND                        | 0.002                   | ND            |
| 11        | 3,3'-Dimethoxybenzidine                  | 119-90-4 | ND                        | ND                        | ND                        | 0.002                   | ND            |
| 12        | 3,3'-Dimethylbenzidine                   | 119-93-7 | ND                        | ND                        | ND                        | 0.002                   | ND            |
| 13        | 3,3'-Dimethyl-4,4'diaminodiphenylmethane | 838-88-0 | ND                        | ND                        | ND                        | 0.002                   | ND            |
| 14        | p-Cresidine                              | 120-71-8 | ND                        | ND                        | ND                        | 0.002                   | ND            |
| 15        | 4,4'-Methylene-Bis(2-Chloroaniline)      | 101-14-4 | ND                        | ND                        | ND                        | 0.002                   | ND            |
| 16        | 4,4'-Oxydianiline                        | 101-80-4 | ND                        | ND                        | ND                        | 0.002                   | ND            |
| 17        | 4,4'-Thiodianiline                       | 139-65-1 | ND                        | ND                        | ND                        | 0.002                   | ND            |
| 18        | o-Toluidine                              | 95-53-4  | ND                        | ND                        | ND                        | 0.002                   | ND            |
| 19        | 2,4-Toluylenediamine                     | 95-80-7  | ND                        | ND                        | ND                        | 0.002                   | ND            |
| 20        | 2,4,5-Trimethylaniline                   | 137-17-7 | ND                        | ND                        | ND                        | 0.002                   | ND            |
| 21        | o-Anisidine                              | 90-04-0  | ND                        | ND                        | ND                        | 0.002                   | ND            |



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### Tests Conducted

| Test Item | CAS No.                                       | Result (mg/kg)            |                           |                           | Detection Limit (mg/kg) | Limit (mg/kg) |
|-----------|-----------------------------------------------|---------------------------|---------------------------|---------------------------|-------------------------|---------------|
|           |                                               | 1 <sup>st</sup> migration | 2 <sup>nd</sup> migration | 3 <sup>rd</sup> migration |                         |               |
| 22        | 4-Aminoazobenzene                             | 60-09-3                   | ND                        | ND                        | ND                      | ND            |
| 23        | m-Phenylenediamine                            | 108-45-2                  | ND                        | ND                        | ND                      | ND            |
| 24        | Benzoguanamin                                 | 91-76-9                   | ND                        | ND                        | ND                      | 5             |
| 25        | 4,4'-Methylenebis(3-chloro-2,6-diethylaniline | 106246-33-7               | ND                        | ND                        | ND                      | 0.01          |
| 26        | Total of other primary aromatic amine         | -                         | ND                        | ND                        | ND                      | 0.01          |

ND = Not detected (less than detection limit)

Other primary aromatic amines are p-Phenylenediamine, Aniline, 2,4-Xylidine, 2,6-Xylidine, 3-Methoxyaniline, 2,6-Toluene-diamine, 1,5-Diaminonaphthalene, 4-Ethoxyaniline, 3-Amino-4-methoxybenzanilide, 3-Amino-4-methylbenzamide, 2-Amino-5-methylbenzoic acid

Tested component(s): See component list in last section of the report.

### Component list:

- (1) Black rubber.
- (2) Silver color stainless steel.



## Test Report

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### Tests Conducted

Reference photo



Remark: The products in the reference photos are not tested in this report. It's declared by the applicant that the materials of those items are identical to the particular tested sample. They are just included in the report for reference.

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End of report

The statements of conformity reported have considered the decision rule agreed, namely that Intertek have taken account of measurement uncertainty as calculated by Intertek, and applied according to ILAC-G8/09:2019 (Non-binary acceptance based on guard band  $w = U$ ) except designation from the customer, regulation or test specification. This decision rule only applies to the numeric test results.

The sample(s) and sample information hereto are provided by the client who shall be solely responsible for the authenticity and integrity thereof. The results shown in this report relate only to the sample(s) tested. It is not intended to be a recommendation for any particular course of action. Intertek does not accept a duty of care or any other responsibility to any person other than the Client in respect of this report and only accepts liability to the Client insofar as is expressly contained in the terms and conditions governing Intertek's provision of services to you. Intertek makes no warranties or representations either express or implied with respect to this report save as provided for in those terms and conditions. We have aimed to conduct the Review on a diligent and careful basis and we do not accept any liability to you for any loss arising out of or in connection with this report, in contract, tort, by statute or otherwise, except in the event of our gross negligence or wilful misconduct. This report shall not be reproduced unless with prior written approval from Intertek Testing Services Shenzhen Limited, Guangzhou Branch.



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