Test Report - Product



**PASS** 

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Client: WEKO TRADE GMBH

In den Ziegelwiesen 25/1 D-69168 Wiesloch

Manufacturer's name: YANGJIANG DETONG INDUSTRIAL & TRADING CO.,LTD

Test item(s): KNIFE

Identification / Model No(s): 6 inch ceramic knife.

**Condition at delivery:** Test item complete and undamaged.

Sample Receiving date: 2023-07-16

**Testing Period:** 2023-07-20 to 2023-07-25

Place of testing: Chemical laboratory Shenzhen

Test specification: Test conclusion:

Performed parameter(s) for the compliance with the following regulations concerning materials in contact with foodstuff:

- German §31 LFGB (Lebensmittel-, Bedarfsgegenstände- und Futtermittelgesetzbuch)

Other Information:

Country of Origin: China

For and on behalf of TÜV Rheinland (Shenzhen) Co., Ltd.

2023-07-26 Shine Wang / Engineer

Date Name / Position

Sample information is provided by customer. Test result is drawn according to the kind and extent of tests performed. This test report relates to the above mentioned test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products. "Decision Rule" document announced in our website (https://www.tuv.com/landingpage/en/qm-gcn/) describes the statement of conformity and its rule of enforcement for test results are applicable throughout this test report.

Shine Wang



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## 1 Sample List:

Sample No.	Material	Color	Location
1	Ceramic	White	Blade

## 2 Overall Results:

Test No.	Tested Item	Conclusion
1	Sensorial examination	Pass
2	Release of Heavy Metals from Ceramic Ware	Pass



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## 3. Results

### 3.1 Sensorial examination

Test method:

It is examined to the extent of food simulant being used, which comes into contact with the product, undergoes detectable changes in taste and smell.

For this purpose, the food simulant was stored in the product under the below mentioned time and temperature. Afterwards, the food simulant was examined by an appropriate number of tasters with regard to any divergence in smell and taste. Another test sample, which was used as a reference, was treated by the same way except that it had no contact with the product to be tested.

Before testing, the product had been cleaned according to the product's instruction manual or in the absence of such manual, by normal household cleaning.

The test is carried out on the basis of DIN 10955:2023 by paired comparison test:

Evaluation scheme:

0 = No perceptible difference

1 = Just perceptible difference (still difficult to define)

2 = Slight difference (possible to define)

3 = Marked difference

4 = Strong difference

Limit: 3 (failed)

The following food simulants and conditions were applied:

Food simulant	Test duration / Temperature
Water	30 min(s) / 70 °C

Test No.:	1
Sample No.:	1
Parameter:	Result
Transfer of Smell:	0
Transfer of Taste:	0



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## 3.2 Release of Heavy Metals from Ceramic Ware

Test method: The test is performed reference to EN 1388-1:1995, EN 1388-2:1995 and DIN 51031:1986

respectively. The concentration of the elements is examined by means of atomic absorption

spectroscopy or ICP-MS.

Limit: Pb, Cd: Directive 84/500/EEC

Co: Working group of food chemistry experts from the federal states and the

Federal Office of Consumer Protection and Food Safety (ALS), 109th Session

2017, Opinion No.2017/15

Zn, Ba, Sb: Austrian Ceramic Ordinance

The following food simulant and condition was applied:

Food simulant	Test duration / Temperature	
Acetic acid 4 %	24 hours/ 22 °C	

Test No.:		1	
Category:		1	
Internal volume:	Less than one litre		
Sample No.:	1		
Parameter	Unit	Result	Limit (*1, 2)
Lead (Pb)	mg/dm²	< 0.02	0.8
Cadmium (Cd)	mg/dm²	< 0.002	0.07
Cobalt (Co)	mg/dm²	< 0.01	0.02
Zinc (Zn)	mg/article	< 0.5	3.0
Barium (Ba)	mg/article	< 0.5	1.0
Antimony (Sb)	mg/article	< 0.5	1.0

## Abbreviations:

mg/dm<sup>2</sup> = Milligram per square decimetre

mg/article = Milligram per article

mg/l = Milligram per litre

< = Less than



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## Remarks:

\*1 According to EU Directive 84/500/EEC, articles in contact with food should not exceed the following limits

Category	Description	Lead	Cadmium
1	Articles which can't and articles which can be filled, the internal depth of which, measured from the lowest point to the horizontal plane passing through the upper rim, does not exceed 25 mm	0.8 mg/dm²	0.07 mg/dm²
2	Other articles which can be filled	4.0 mg/l	0.3 mg/l
3	Cooking ware; packaging and storage vessels having a capacity of more than three litres	1.5 mg/l	0.1 mg/l

<sup>\*2</sup> According to Austrian Ceramic Ordinance (BGBI. Nr. 893/1993 and its amendment), articles in contact with food should not exceed the following limits:

Category	Description	Zinc	Antimony	Barium
Internal	Less than one litre	3.0 mg/article <sup>(#)</sup>	1.0 mg/article <sup>(#)</sup>	1.0 mg/article <sup>(#)</sup>
volume	Greater than one litre	3.0 mg/l	1.0 mg/l	1.0 mg/l

<sup>(#)</sup> Calculation is based on the internal volume of the article



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# 4. Sample picture(s):



Sample No. 1

- END -



### General Terms and Conditions of Business of TÜV Rheinland in Greater China

- Stope
  These General Terms and Conditions of Business of TUV Rheritand in Gester China (GTCS) is made between the client and one or more member entities of TUV Rheritand in Gester China (GTCS) is made between the client and one or more member entitles of TUV Rheritand in Gester China is desired. The client here of the control of the client here included in the control of the client here of the control of the control of the client here of the client here of the control of the client here of the control of the client here of the client here of the client here of the control of an opping business relationship to defer to them separately in each landworked client.
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- Unless otherwise agreed, all quotations submitted by TÜV Rheinland can be changed by TÜV Rheinland can be changed by TÜV Rheinland without notice prior to its acceptance, and confirmation, by the other party
- remarkan without notice plor to its acceptance and confirmation by the other party.

  Coming lists either and Audition of contractes.

  The contract shall come into either for the agreed terms upon the question tester of TIV. Rhenland or a separate contractual document being signed by both contracting pastes, or upon the works requested by the client being carried out by TIV. Rhenland II. Till be client instructs TIV. Rhenland III. The related is not some discretion, entitled to acceptance the costs by giving winters notice of such acceptance (including notice the contract terms attent upon the common term of the contract terms attent upon the common term of the contract term will be extended and and shall continue for the term agreed in the contract. The contract term will be extended by the term provided for inthe contract unless terminated in writing by either pany with a three-month notice prior to the contract terms.
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- If the contract provides for an externation of the contract term, the contract term will be extended by the term provided for in the contract unless terminated in writing by either pasty with a three-morth rollice prior to the end of the contractual term.

  Stopp of services

  The scope and type of the services to be provided by TUV Rheinfand shall be specified in the contractually agend sovice scope of TUV Rheinfand by both paties. If no such separate service scope of TUV Rheinfand by both paties, If no such separate service scope of TUV Rheinfand by both paties, If no such separate service scope of TUV Rheinfand by both paties, If no such separate service scope of TUV Rheinfand by both paties, If no such separate service scope, of TUV Rheinfand by the service description, as well as the interded that the service description in the contractual of the service description, as well as the interded use and application of such years of the service description, as well as the interded use and application and the service service description, as well as the interded use and application of such years of the service description, as well as the interded use and application of such years of the service service with the expectations in foce at the time the contract is entered into.

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- Prices
  The scope of performance is not laid down in writing when the order is placed invoicing shall be based on costs actually incursed. If no price is agreed in writing, invoicing shall be made in accordance with the price last of TUV brieflands valid at the rine of performance. Utriess otherwise agreed, work shall be invoiced according to the progess of the work.

  Utriess otherwise agreed, work shall be invoiced according to the progess of the work.

  If the execution of an order electric over more than one most and the value of the contract or the shall be accorded to the contract of the contract 7. 7.1

- Payment errors
  All invoice amounts shall be due for payment within 30 days of the invoice date without deduction on ecopic of the invoice. No discounts and relates shall be garried.

  Payments shall be made to the bank account of TUV Rherinard as indicated on the invoice, stating the invoice and Clarifor numbers. In cases of default of payment, TUV Rherinard as indicated to daim default interest at the explicitors of the country of the country where TUV Rherinard is located. At the same sine, TUV Rherinard servers the sight to 8.2
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- ces of TÜV Rheinland shall be submitted in writing within two weeks of

- TÜV Rheinland shall be entitled torsise its fees at the beginning of a morth if overheads and/or purchase costs have incessed. In this case, TÜV Rheinland shall notify the client in writing of the size in fees. This notification shall be issued one month prior to the date on which the size in fees shall come into effect plent of indice of dranges in fees). If the fee in fees services in the client shall not not be districted by the client shall come to the size of the control of the client shall not controlled by the client shall be client feet of the period of notice of changes in fees. If the control is not terminated, the changed fees shall be deemed to have been agreed upon by the first of the copy of the notice pecilic of the period of notice of changes in fees. If the control is not terminated, the changed fees shall be deemed to have been agreed upon by the first of the copy of the notice pecilic of the notice o

- action descriptions reached with TDV Rharinata.

  Acceptance of work

  Any part of the work result ordered which is complete in listelf may be presented by TDV Rharinata for acceptance as an instalment. The client is really as the designed to acceptance in a sequence or controlluly agreed in an individual case, this shall be acceptance to a sequence or controlluly agreed in an individual case, this shall be acceptance to a proposed or controlluly agreed in an individual case, this shall be acceptance within this period stating at least one fundamental breach of contact by TDV Rharinata. The client is not entitled to shall be acceptance as to interpolate an acceptance within this period stating at least one fundamental breach of contact by TDV Rharinata. The client is not entitled to shall be acceptance as the interpolation of the work shall table to place, competion of the work shall table to place, competion of the work shall table to place.

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- - work results inful unless TUV Revirand has given its prior written consent to the pastial passing Any publication or adjustation of the work results for advanting purposes or any hither use of the work results beyond the scope regulated in clause 112, and any option of the introduction of TUV Rehardand readers that the advantage of the results of the property of the results of the results of the introduction of TUV Rehardand respects and the proposal of TUV Rehardand resplicable laters, regulations on TUV Rehardand respects across regions approved according to clause 115 at any time without stating reasons. In this case, the client is obliged to stop the transfer of the work results immediately at the own exponer and as for any possible, to window publications, not detaile the client to use the corporate logo, corporate design or testidentication mark of TUV Rheriand.
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    TUV Rhenizard shalf in the listate for the acts of the personnel made available by the client to support TUV Rhenizard in the performance of its services under the contact, unless such personnel made available is agreated as vicanious agent of TUV Rhenizard, "TUV Rhenizard is not client shalf indership." TUV Rhenizard agreated any strength of the connection with such personnels acts.

    Tuthess otherwise contactually agreed in writing. TUV Rhenizard shalf only the billade under the contact to the client.

    Nore of the povisions of this article 12 changes the busten of pool to the disadvantage of the client.
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  - Export control

    When passing on the services provided by TÜV Rheinland or paids thesed to third parties in
    Gestel China or other segions, the client must comply with the sespectively applicable segulations
    of rational and international export control law.

    The performance of a contract with the client is subject to the proviso that there are no obstacles to
    performance due to national or international to reign tasks legislations or embargos and/or

sanctions. In the event of a violation, TÜV Rheinland shall be entitled to terminate the contract with immediate effect and the client shall compensate for the losses incured thereof by TÜV Rheinland.

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Data protection rodice

The client understands and agence that TÜV Rhenland processes personal data fricularly, but not fine client understands and secure control of the client and the selected parties efficiently not relimined to the supplier of the client for the purpose of fulfilling his context. The client confirms that it has distinct the pier connect of the data subject. TWO reherends to access, use or process the personal data that the client collected or processed by listed and transferred to access, use or process the personal data. TWO Rhenland will use and process transferred to any third party or any oversions personal client to the client should be a supplied. TWO Rhenland will carry out cross-border data transferred to processed the processed of the data collected, the client should be controlled to the client should be client should be controlled to the client should be client should be controlled to the client should be controlled to the client should be client should be controlled to the client should be client should be controlled to the client should be clie

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  Reterrison of test material and documentation
  The lest samples submitted by the client to TUV Rheinfand for testing will be scrapped following testing or will be returned to the client at the client's express. The only exceptions are test testing or will be returned to the client at the client's express. The only exceptions are test with the client.

  Charges apply if the test samples are stored at the persises of TÜV Rheinfand. The cost of placing a set sample into storage with the disclosed to the client in the optication.

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  Contractual terms as provided in that prangant, the Pasy Involving its Clause is entitled to terminate the content, but cannot request adaptation by the judge or administer without the agreement of the other Pasty.
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- agreement of the other Party.

  Partial Invalidity, written form, jacon of jarisdiction and dispate resolution. All amendments and supplements must be in writing in order to be effective. This also applies to amendments and supplements to bits clauses 17.1.

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- If TUV Rheriand in question is legally registed and existing in Tawan, the committing parties reversity ages that the committion and these terms and controllers shall be governed by the laws of ITTUV Rheriand in question is legally registed and existing in frong Kong, the commanding parties hereby ages that the content and these terms and conditions shall be governed by the laws of Hong Kong.

  Any dispute in connection with the contract and these terms and conditions of the execution thereof shall be satisfied in the contract, if no settlement or no agreement in respect of the United Shall be satisfied in the contract. If no settlement or no agreement in respect of the United Shall be submitted. The dispute shall be submitted to the excited within two mornins of the assisting of the dispute, the dispute shall be submitted. The advantage of the contract of the state of the contract o