

TEST REPORT

The report shall not be reproduced without written approval from Intertek
The results relate only to the item tested.

Number: BKKH21000811S1

Applicant: THAI KK INDUSTRY CO., LTD.
29/1 MOO 5, SOI THUMMASIRI, DEBARATANA ROAD,
TUMBOL BANGSAOTONG, AMPHUR BANGSAOTONG,
SAMUTPRAKARN 10570
ATTN: K.PORNTAPIN/K.KANOKPORN

Issued Date: Feb 25, 2021

This report supersedes

The previous report

Date Feb 18, 2021

Sample Submitted:

Quantity of sample: 30 pieces
Sample description: White melamine bowl
Date sample received: January 21, 2021
Date information submitted: February 19, 2021

Client Information:

Sample Name: Melamine-Formaldehyde Molding Compound
Buyer Name: All Customers
Country of Origin: Thailand



Test conducted:

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

For and on behalf of :
Intertek Testing Services (Thailand) Ltd.,
Hardlines Laboratory

Ladtaka Wongwibooporn
Operation Manager
Hardlines Department

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Conclusion:

| <u>Tested samples</u> | <u>Client's requirement</u> | <u>Result</u> |
|-----------------------|---|---------------|
| Submitted sample | Thai Industrial Standard 2921 B.E. 2562: Melamine-Formaldehyde Urea-Formaldehyde and Melamine-Urea-Formaldehyde Utensils for Food: Safety Requirement | |
| | - Sulfuric acid resistance | Pass |
| | - Boiling water resistance | Pass |
| | - Residues substances which are evaporated in 3% acetic acid | Pass |
| | - Specific Migration of Heavy Metal Test | Pass |
| | - Formaldehyde | Pass |
| | - Melamine | Pass |



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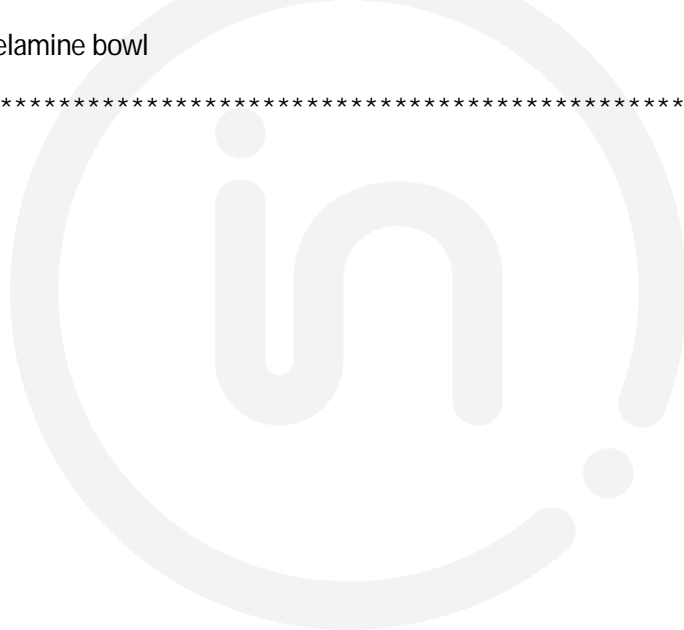
Qualities or standard for container made from melamine utensils

The specification and test method are referred to Thai Industrial Standard 2921 B.E. 2562: Melamine-Formaldehyde Urea-Formaldehyde and Melamine-Urea-Formaldehyde Utensils for Food: Safety Requirement.

| <u>Test item</u> | <u>Result</u> | <u>Limit</u> |
|-----------------------------|--|--|
| <u>Physical test</u> | | |
| 1. Sulfuric acid resistance | No signs of distortion, deformation or any other damage could be observed on the tested samples. | The sample must not have abnormalities, deformation or any other damage which affect to usage function |
| 2. Boiling water resistance | No signs of distortion, deformation or any other damage could be observed on the tested samples. | The sample must not have abnormalities, deformation or any other damage which affect to usage function |

Tested component: White melamine bowl

To be continued



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Test conducted:

Qualities or standard for container made from melamine utensils

The specification is referred to Thai Industrial Standard 2921 B.E. 2562: Melamine-Formaldehyde Urea-Formaldehyde and Melamine-Urea-Formaldehyde Utensils for Food: Safety Requirement.

| <u>Test item</u> | <u>Result</u> | <u>LOD</u> | <u>LOQ</u> | <u>Specification</u> | <u>Test method</u> |
|---|---------------|------------|------------|----------------------|----------------------------------|
| Chemical test | | | | | |
| 1. Residues substances which are evaporated in 3% acetic acid, mg/dm ² | <1 | 0.2 | 1 | ≤10 | EN 1186-9 |
| 2. Specific Migration of Heavy Metal Test, mg/kg | | | | | Section 8.4 of the TIS 2921-2562 |
| - Aluminium | ND | 0.03 | 0.10 | ≤1 | |
| - Barium | ND | 0.03 | 0.10 | ≤1 | |
| - Cobalt | ND | 0.01 | 0.02 | ≤0.05 | |
| - Copper | ND | 0.02 | 0.06 | ≤5 | |
| - Iron | <0.10 | 0.03 | 0.10 | ≤48 | |
| - Lithium | ND | 0.03 | 0.10 | ≤0.6 | |
| - Manganese | ND | 0.03 | 0.10 | ≤0.6 | |
| - Nickel | ND | 0.01 | 0.02 | ≤0.02 | |
| - Zinc | <0.10 | 0.03 | 0.10 | ≤5 | |
| 5. Formaldehyde, mg/kg | 1 | 0.05 | 1 | ≤15 | Section 8.5 of the TIS 2921-2562 |
| 6. Melamine, mg/kg | ND | 0.1 | 0.5 | ≤2.5 | Section 8.6 of the TIS 2921-2562 |

Remark: mg/dm² = Milligram per square decimetre
 mg/kg = Milligram per kilogram
 < = Less than
 ≤ = Less than or equal
 ND = Not detected (less than LOD)
 LOD = Limited of detection
 LOQ = Limited of quantitation

Tested component: White melamine bowl

Testing period: January 21, 2021 to February 10, 2021

***** E N D ***** /WK/JP/NK

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Attachment

Number: BKKH21000811S1

Applicant: THAI KK INDUSTRY CO., LTD.
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ATTN: K.PORNTAPIN/K.KANOKPORN

Issued Date: Feb 25, 2021

Re: Report Revision Notification

Report number BKKH21000811 Issued date Feb 18, 2021

Please be informed that all the content recorded in the above captioned report will be void.

As requested by the client, this captioned report is now superseded by a revised report number BKKH21000811S1
Issued date Feb 25, 2021.

Thank you for your attention.



For and on behalf of :
Intertek Testing Services (Thailand) Ltd.,
Hardlines Laboratory

Ladtaka Wongwiboonporn
Operation Manager
Hardlines Department