



TEST REPORT

Applicant: Treatex,
Unit 1, Howland Business Park,
Howland Road,
Thame,
Oxfordshire,
OX9 3GQ

For The Attention of: Richard Bromwell

Item Description: Ultra Clear Matt Article Number 220

Report No: 79070901

Report Date: 19th July 2019

Test Request: See page 2 of this report

Results: See pages 2---5 of this report.

Conclusion: The above item as tested, PASSES, the requested requirements

L. PATTNI *Lax Pattni*

Lax Pattni
Laboratory Manager
For and on behalf of
The Northern Testhouse (Leicester) Limited.

Opinions and interpretations expressed in this test report are outside our UKAS accreditation

†Indicates tests outside our current UKAS scope

Results reported in this report apply to the submitted item/sample only

This test report shall not be reproduced except in full, without written approval of the laboratory

We sincerely hope that our service has met with or exceeded your requirements and would appreciate any comments from yourselves about the level of service you have received. Such feedback will assist us in our efforts to continually improve

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Quality Assurance and Product Safety Testing

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Test Request

Commission regulations 10/2011EU as amended, plastic materials and articles in contact with food regulations (Specific metal release and formaldehyde release)

BS EN1186-3:2002, Overall migration in aqueous stimulant by total immersion

BS EN1186-14:2002, Overall migration in 95% ethanol and Iso-Octane, substitute tests

BS EN71-3:2013+A1:2013, migration of heavy metals from toys and toy materials

Photograph of Submission



Governing Document: BS EN1186-3:2002, overall migration in aqueous simulants

Results (in mg/dm², <= less than)

Contact Temperature	40°C
Contact Period	24 Hours
Simulant	3% Acetic acid
Contact Surface	Coated Wooden Panel
Overall Migration	<4
Limit	10
Pass/Fail	Pass

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Governing Document: BS EN1186-14:2002, overall migration in 95% ethanol and Iso-Octane (substitute tests)

Results (in mg/dm², <= less than)

Contact Temperature	40°C	40°C
Contact Period	24 Hours	24 Hours
Simulant	95% ethanol	Iso-Octane
Contact Surface	Coated Wooden Panel	Coated Wooden Panel
Overall Migration	<4	<4
Limit	10	10
Pass/Fail	Pass	Pass

Test: Specific metal release based on commission regulations 10/2011EU as amended

Results (expressed in mg/kg food, <= less than)

Simulant	3% Acetic acid
Contact Temperature	40°C
Contact Period	24 Hours
Contact Surface	1) Coated Wooden Panel

Element	1	Limits
Aluminium	<0.1	1
Barium	<0.1	1
Cobalt	<0.04	0.05
Copper	<0.1	5
Iron	<5	48
Lithium	<0.1	0.6
Manganese	<0.1	0.6
Nickel	<0.01	0.02
Zinc	<0.5	5
Pass/Fail	Pass	

Date of Testing: 10th July 2019

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†Test: Formaldehyde release based on commission regulations 10/2011EU as amended

Results (expressed in mg/kg food, <= less than)

Simulant	3% Acetic acid
Contact Temperature	40°C
Contact Period	24 Hours
Contact Surface	Coated wood panel
Formaldehyde Release	<5
Limit	15
Pass/Fail	Pass

Governing Document: EN71 Part 3: 2013 +A1:2018 migration of certain elements from toys and toy materials

Analyses were conducted by ICP--OES.

Clause	Application	Results	Category
7.3.3.1	Coatings etc	PASS	III

Element	Symbol	Category III Limits
Aluminium	Al	70,000
Antimony	Sb	560
Arsenic	As	47
Barium	Ba	18,750
Boron	B	15,000
Cadmium	Cd	17
Chromium (III)	Cr	460
Cobalt	Co	130
Copper	Cu	7,700
Lead	Pb	160
Manganese	Mn	15,000
Mercury	Hg	94
Nickel	Ni	930
Selenium	Se	460
Strontium	Sr	56,000
Tin	Sn	180,000
Zinc	Zn	46,000
Chromium (VI)	Cr	0.2
Organic Tin		12

All results and limits are expressed in mg/kg

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Chromium (VI) & Organic Tin

Requirements	First Screening Action	Category
Chromium (VI)	Pass	III
Organic Tin	Pass	III

Materials Sampled /Sample Numbers (S)

Coatings

1) Clear/White (Panel)

Category III Results (Chromium as total soluble, chromium (III) limit reporting limit, <= less than)

S	Al	Sb	As	Ba	B	Cd	Cr	Co	Cu	Pb	Mn	Hg	Ni	Se	Sr	Sn	Zn
1	32	<7	<5	<30	<30	<2	<1	<10	48	<9	18	<9	<10	<7	<30	<8	<30

Date of Testing: 10th July 2019

Comments

The sample examined contained soluble lead level less than 9mg/kg and therefore complied with the revised limit of 23mg/kg stated in EN71 Part3:2013+A3: 2018.

End of Report