

REPORT ON:
OVERALL MIGRATION FROM FOOD CONTACT MATERIALS

SAMPLE INFORMATION

Company : Platinum Packaging Group
Product description : Platlid GP -AF to cover Platlid GP, GPG and GP -AF
Campden reference : AC/128959/158
Date received : 26th March 2013
Condition : Free from any apparent or obvious physical defects
Storage : Ambient
Date of analysis : 26th March – 29th April 2013
Test data : DL5M/C7, p11-13

METHODS AND REFERENCES

Testing programs for overall migration are devised in accordance with the BS EN ISO 1186 series of standards and Commission Regulation No. 10/2011 as amended.

Methods used for this work and accredited by UKAS are listed in the Schedule of Accreditation, a copy of which is available from: www.platinumpkggroup.com

Method TES-AC-500 is based on BS EN 1186:2002 parts 2, 4, 6, 8.

Global (overall) migration from packaging materials into olive oil food simulants by total immersion, single side contact by cell technique, single side contact by pouch technique and by article filling technique.

Method TES-AC-501 is based on BS EN 1186:2002 parts 3, 5, 7, 9 and 14.

Global (overall) migration from packaging materials into aqueous food simulants and substitute fatty food simulants by total immersion, single side contact by cell technique, single side contact by pouch technique and by article filling technique.

-
- The legal entity accredited by UKAS and taking responsibility for accredited testing activity is Platinum packaging Group
 - Tests marked 'non ukas' are not UKAS accredited and any opinions and interpretations expressed herein are outside the scope of UKAS accreditation.
 - Unless this report includes an explicit statement of compliance/non-compliance with a requirement and/or specification, no such statement should be inferred.
 - Unless this report includes an explicit statement to the contrary, results reported relate only to the items tested and results are not corrected for recovery.
 - The information provided within this report is given after the exercise of all reasonable care and skill in its compilation, preparation and issue, but is provided without liability in its application and use. This report shall not be reproduced except in full without our written approval.
 - Unless otherwise expressly agreed in writing and signed by a duly authorised representative of Platinum Packaging Group, the services to which this report pertains are subject to our Standard Terms and Conditions of Contract, available upon request or from our website: platinumpkggroup.com
 - The information in this document is only intended for the individual or entity to whom it is addressed. It may contain privileged and confidential information that is exempt from disclosure by law and if you are not the intended recipient, you must not copy, distribute or take any action in reliance on it. If you have received this document in error please notify us immediately by telephone at the number below.

Confidential Report

Four test specimens are used in each overall migration test performed with food stimulants to ensure that a minimum of three valid test results are obtained.

Sunflower oil is used as an alternative to rectified olive oil - "reference stimulant D". The sunflower oil used has characteristics in accordance with those specified in Annex A of BS EN 1186-1:2002.

CALCULATION OF RESULTS

Where a test result for a replicate is found to be less than the limit of detection the calculated numerical value, *M* (as defined in clause 3.6.1 of BS EN 1186-3:2002 for aqueous testing and clause 8.1 in BS EN 1186-2:2002 for olive oil testing) and not the limit of detection is used for that replicate for the purpose of calculating the mean overall migration result. Where the calculated numerical value is negative, a value of zero is used for purposes of calculating the mean.

Concerning overall migration into oil, unless this report includes an explicit statement to the contrary, reduction factors are not taken into account when reporting the results.

OVERALL MIGRATION: TEST CONDITIONS & RESULTS

Method : TES-AC-500 (UKAS accredited)
Contact time/temp : 2 hours @ 175°C
Overall migration limit : 10 mg/dm²

Simulant	Test results mg/dm ²				Mean test result mg/dm ²	Technique	Contact area
Sunflower Oil	<0.1	<0.1	<0.1	<0.1	<0.1	Total Immersion	1.0dm ²

Method : TES-AC-501 (UKAS accredited)
Contact time/temp : 4 hours @ Reflux Temperature
Overall migration limit : 10 mg/dm²

Simulant	Test results mg/dm ²				Mean test result mg/dm ²	Technique	Contact area
3% (w/v) acetic acid in an aqueous solution	0.2	0.50	0.7	0.6	0.5	Total Immersion	1.0dm ²
10% (v/v) ethanol in an aqueous solution	0.6	1.0	0.5	1.2	0.8	Total Immersion	1.0dm ²

This report shall not be reproduced except in full without our written approval.