

Documentation requirements

Food contact materials, plastic

Identity of the product:

Item number, Ken Storkøkken/Supplier: **242167, 242168, 242169, 242170 and 242171**

Item name: **_136 sauce tubes and replacement parts**

Order number: _____

Usage: _____

Limitations related to:

Temperature/contact time Yes: No: If yes, please state a min/max-temp & time: **40°C, 10 days**

Oily/greasy foodstuffs Yes: No: If yes, please state which:

Acidity (pH) Yes: No: If yes, please state a limit: **3% acedic acid**

Cleaning in a dishwasher Yes: No: If yes, please state which: **not for temp >70C**

Use in conventional oven Yes: No: If yes, please state which: **not for use in oven**

Use in microwave oven Yes: No: If yes, please state which: **not for use in microwave**

Other limitations: Yes: No: If yes, please state which: **10% ethanol**

Identity of the manufacturer:

Company name: **Prince Castle LLC**

Address: **355 E. Kehoe Blvd., Carol Stream, IL 60188 USA**

Contact person / e-mail **Matthew Adomaitis adomaitism@princecastle.com**

Identity of the business operator issuing this declaration:

Company name: **Same**

Address: _____

Contact person / e-mail: _____

Starting substances:

The polymer consists only of starting substances listed in the positive list (Annex I) in Regulation (EU) no. 10/2011 as amended:

[http://eur-](http://eur-lex.europa.eu/search.html?DTN=0010&DTA=2011&qid=1517475718383&DB_TYPE_OF_ACT=regulation&C_ASE_LAW_SUMMARY=false&DTS_DOM=ALL&excConsLeg=true&typeOfActStatus=REGULATION&type=advanced&SUBDOM_INIT=ALL_ALL&DTS_SUBDOM=ALL_ALL)

[lex.europa.eu/search.html?DTN=0010&DTA=2011&qid=1517475718383&DB_TYPE_OF_ACT=regulation&C_ASE_LAW_SUMMARY=false&DTS_DOM=ALL&excConsLeg=true&typeOfActStatus=REGULATION&type=advanced&SUBDOM_INIT=ALL_ALL&DTS_SUBDOM=ALL_ALL](http://eur-lex.europa.eu/search.html?DTN=0010&DTA=2011&qid=1517475718383&DB_TYPE_OF_ACT=regulation&C_ASE_LAW_SUMMARY=false&DTS_DOM=ALL&excConsLeg=true&typeOfActStatus=REGULATION&type=advanced&SUBDOM_INIT=ALL_ALL&DTS_SUBDOM=ALL_ALL)

Overall migration test:

According to the future use of this product the material must be tested for overall migration according to Regulation (EU) no. 10/2011 as amended. The test must be conducted according to the EN 1186-series. Please enclose a copy of the test.

SML (Specific Migration Limits):

Does the product contain substances restricted by specific migration limits according to Annex I in Regulation (EU) no. 10/2011 as amended?

No

Yes - please name the substances: _____

If the product contains substances restricted by specific migration limits it must be tested for the migration of those substances according to Regulation (EU) no. 10/2011. The tests must be conducted according to the methods described in the EN 13130-series. Please enclose a copy of the test. If compliance with the specific migration limits can be proved by worst case calculations – please enclose a copy of the calculation report.

Functional barrier:

In multilayer materials the layers may be separated by a functional barrier which hinders chemical substances from migrating. Does the product contain a functional barrier that prevents migration of substances in amounts exceeding 0,01 mg/kg?

Yes - please enclose documentation that the barrier is in compliance with Regulation (EU) no. 10/2011

No

Primary aromatic amines:

Plastic materials and articles shall not release primary aromatic amines in a detectable quantity (DL= 0,01 mg/kg) according to Regulation (EU) no. 10/2011 Annex II. Please enclose a copy of the test.

Migration of metals:

Plastic materials and articles shall not release the following substances in quantities exceeding the specific migration limits below according to Regulation (EU) no. 10/2011 Annex II:

Aluminium: 1 mg/kg **NA**

Barium: 1 mg/kg **NA**

Cobalt: 0,05 mg/kg **NA**

Copper: 5 mg/kg **NA**

Iron: 48 mg/kg **NA**

Lithium: 0,6 mg/kg **NA**

Manganese: 0,6 mg/kg **NA**

Zinc: 5 mg/kg **NA**

Nickel: 0,02 mg/kg **NA**

Please enclose a copy of the test.

Heavy metals in packaging:

According to Directive (EC) no. 94/62 as amended the accumulated amount of lead, cadmium, mercury and chromium in packaging must not exceed 100 ppm. Please enclose documentation that the product is in compliance with this limit. Only relevant in cases where the product itself is a packaging. **Not relevant**

Substances of very high concern (REACH):

Does the product contain substances listed in the list of substances of very high concern in Regulation (EC) no.1907/2006 (REACH). Please see the current list at:

http://echa.europa.eu/chem_data/authorisation_process/candidate_list_table_en.asp

Yes - please give cas no and the amount of the substances: _____

No

Compliance:

The product does not apply any danger to health or environment according to Article 3 in Framework Regulation (EC) no. 1935/2004. The product complies with the requirements on labelling and traceability described in Article 15 and Article 17 in Regulation (EC) no. 1935/2004. The product has been manufactured according to Regulation (EC) no. 2023/2006 on Good Manufacturing Practice. The product complies with the current legislation on food contact materials made of plastic, Regulation (EU) no. 10/2011 as amended, as well as the Danish declaration no. 822 of 26/06/2013 on materials and articles for food contact. We commit ourselves to inform Ken Storkøkken of any changes in the formulation of the product.

Date: **20 February 2018**

Signature:



Test Report

European overall migration testing of sauce dispensers

Test Report : IWTN/W000000889RL001

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TEST REPORT

Report Number: IWTN/W000000889RL001
Chit Number: ITWI-00000010176
Receipt Date: 06/05/2014
Lab Book Reference:
File Reference Location: N110/112
Number of Samples: 3
Method Reference: EN1186:1, 2 & 3

Samples Submitted

<u>Intertek Sample Reference</u>	<u>Sample Description</u>	<u>Customer Identifier</u>
IWTN/W000000889-1	Ketchup/mustard dispenser	406-AN/398-CN
IWTN/W000000889-2	bottles	136-1

Description of Work Required

European overall migration testing of:

- Ketchup/mustard dispenser (sample W889/1) into 10% v/v aqueous ethanol, 95% v/v aqueous ethanol and 3% w/v aqueous acetic acid, for 10 days at 40 °C.
- Sauce bottles (sample W889/2) into 10% v/v aqueous ethanol, 3% w/v aqueous acetic acid and olive oil, for 10 days at 40 °C.
- Metal spring components from sample W889/1 into 95% v/v aqueous ethanol, for 10 days at 40 °C.

Experimental

Samples were exposed according to test methods EN1186:1, 2 & 3 under conditions dictated by European Regulation EU No. 10/2011.

- Sample W889/1 was exposed as final article (minus metal spring components) to 1000 mL simulant by article fill.
- 2 dm² of sample W889/2 was exposed to 100 mL simulant by total immersion.
- Metal spring components from sample W889/1 were exposed as total components from one sample to 300 mL simulant by total immersion.

Exposures were performed in triplicate.

Following sample exposure, 100 mL aliquots of simulant were evaporated to dryness in order to determine residual weight.

Olive oil extracts were passed to GC for migration analysis.

Results, Interpretation and Opinions

Sauce dispenser sample W889/1:

Sample ID	Time/ Temperature	Simulant	Overall Migration mg/kg simulant	Mean Overall Migration	European Overall Migration Limit mg/kg simulant
IWTN/W889/1/ 406-AN/ 398-CN	10 days 40°C	10% v/v aq. ethanol	5.1	6.9	60
			7.7		
			8.0		
		95% v/v aq. ethanol	28.2	25.4	
			23.8		
			24.2		
		3% w/v aq. acetic acid	4.2	4.83	
			4.3		
			6.0		

Metal spring components from dispenser sample W889/1:

Sample ID	Time/ Temperature	Simulant	Overall Migration mg/kg simulant	Mean Overall Migration	European Overall Migration Limit mg/kg simulant
IWTN/W889/1/ SPRINGS	10 days 40°C	95% v/v aq. ethanol	9.1	5.4	60
			3.8		
			3.3		

Sauce bottle sample W889/2:

Sample ID	Time/ Temperature	Simulant	Overall Migration mg/kg simulant	Mean Overall Migration	European Overall Migration Limit mg/kg simulant
IWTN/W889/2/ 136-1	10 days 40°C	10% v/v aq. ethanol	4.1	6.5	60
			8.0		
			7.5		
		Olive oil	18.8	23.4	
			17.8		
			18.6		
			15.6		
		3% w/v aq. acetic acid	71.8*	3.8	
			5.9		
			1.7		

*Solvent contamination. Result not included in the mean result.

The calculated results have not taken the blanks into account.

- Aqueous food simulants: 10% v/v aqueous ethanol and 3% w/v aqueous acetic acid

The samples (IWTN/W889/1/ and /2/) supplied and tested against the European Regulation No 10/2011 overall migration of plastics into 10% v/v aqueous ethanol and 3% w/v aqueous acetic acid for 10 days at 40°C showed that migration does not exceed the 60 mg/kg limit specified.

Therefore, both samples are compliant with the regulations.

- Fat substitute: 95% v/v aqueous ethanol

The sample (IWTN/W889/1/) supplied and tested against the European Regulation No 10/2011 overall migration of plastics into 95% v/v aqueous ethanol for 10 days at 40°C showed that migration does not exceed the 60 mg/kg limit specified.

The sample was tested for storage of food for up to 6 months at room temperature. During exposure, the simulant level decreased by more than 10%, which is outside of the tolerances specified in the method. However, this reduction in volume of contents is deemed to shadow the intended usage as a dispenser, so the test conditions simulate actual use.

Therefore, this sample is compliant with the regulations.

- Fatty food simulant: olive oil

The sample (IWTN/W889/2/) supplied and tested against the European Regulation No 10/2011 overall migration of plastics into olive oil for 10 days at 40°C showed that migration does not exceed the 60 mg/kg limit specified once the fat reduction factor (FRF) has been applied.

Therefore, this sample is compliant with the regulations.

Report Authorisation

Emily Rudd
Laboratory
Analyst



Date: 23/06/2014

David Eaves
Regulatory
Consultant



Date: 23/06/2014

Intertek Wilton welcomes feedback on all aspects of the service provided to you. Please email any comments that you have to wilton.feedback@intertek.com