

LOTTE ADVANCED MATERIALS
332-2, Gocheon-Dong, Uiwang-Si Gyeonggi-Do, Korea 437-711
Tel: +82-31-596-3671 / Fax: +82-31-596-3490
E-MAIL : adms@lottechem.com

DECLARATION

· **Product name : SC-1220UR**

We hereby confirm that our product

- **European Commission Regulation (EU) No 10/2011**

Plastic materials and articles coming into contact with food may transfer toxic substances to them. In order to prevent any danger to human health, the European Union (EU) establishes migration limits applicable to substances constituting the materials and articles in question and defines specific conditions of use to guarantee food safety.

This product complies with the legal regulations laid down in the European Plastic Regulation (EU) No 10/2011 (PIM-Plastic Implementation Measure) as well as in regulation (EC) No 1935/2004, both as amended.

This product complies with the relevant requirements of Regulation 2023/2006/EC (GMP), applicable to intermediate materials.

When used as specified, the overall migration as well as the specific migration do not exceed the legal limits. The testing was performed according to Regulation (EU) No 10/2011 (Annex IV-Products from intermediate stage as well as substances intended for the manufacturing)

The following substances subject to limitation and/or specification are used in the above mentioned product:

1. Migration

The sample was brought in contact with the respective simulant and stored.

1.1 Overall Migration :

Simulant Used	Test Condition	Result (mg/dm ²)	Detection Limit (mg/dm ²)	Permissible (mg/dm ²)
3% Acetic Acid(W/V) Aqueous Solution	40℃ for 10 days	N.D	3.0	10
95% Ethanol(V/V) Aqueous Solution	40 ℃ for 10 days	N.D	3.0	10
Isooctane	20 ℃ for 2 days	N.D	3.0	10
Comment	--	PASS	--	--

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1.2 Specific Migration of Bisphenol A

- Method: With reference to EN 13130-1:2004. Analysis was performed by HPLC
- Simulant Used: 95% Ethanol
- Test Condition: 40°C for 10days

Test items	Result (mg/kg)	Detection Limit (mg/kg)	Permissible Limit(mg/kg)
Specific Migration of Bisphenol A	ND	0.5	0.6
Comment	PASS	--	--

1.3 Specific Migration of Heavy Metals

- Method: With reference to EN 13130-1:2004. Analysis was performed by ICP-MS / ICP-OES
- Simulant Used: 3% acetic acid(w/w) in aqueous solution
- Test Condition: 40°C for 10days

Test Item	Result (mg/kg)	Reporting Limit (mg/kg)	Permissible (mg/kg)
Specific Migration of Barium	N.D	0.3	1
Specific Migration of Cobalt	N.D	0.01	0.05
Specific Migration of Copper	N.D	0.3	5
Specific Migration of Iron	N.D	0.3	48
Specific Migration of Lithium	N.D	0.5	0.6
Specific Migration of Manganese	N.D	0.3	0.6
Specific Migration of Zinc	N.D	0.5	25
Comment	PASS	--	--

In accordance with German Food, Articles of Daily Use and Feed Code of September 1, 2005(LFGB) with its amendment, Section 30 and 31, and article 3 of EU Regulation (EC) No 1935/2004

a) Sensory test

- Method: With reference to DIN 10955: 2004
- Simulant Used: Water
- Test Condition: 40°C for 10days

Test Simulant	Test Item	Result	Maximum Permissible Limit
Water	Sensorial examination odour	0.5	2.5
	Sensorial examination taste	1.0	2.5
Comment		PASS	--

German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30, European Commission Regulation (EU) No 10/2011 and Recommendations.

b) Lead and Cadmium

- Method: Lead and Cadmium content: Acid digestion. Analysis was performed by AAS / ICP-OES

Test Item	Result (mg/kg)	Reporting Limit(mg/kg)	Permissible Limit (mg/kg)
Lead content	N.D	2	Absent
Cadmium content	N.D	2	Absent
Comment	PASS	--	--

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According to Regulation(EU) No. 10/2011 and amendments, lead and cadmium and its compounds are not listed for the production of plastic materials in contact with food.

*This declaration is valid for the product as described and delivered by us. **The verification of compliance was performed based on the rules set out in Regulation (EU) No 10/2011**; according to which the product complies with the legal requirements subject to adherence to the stated conditions for the contact with food. In case of deviating food contact conditions, it is up to the user to verify the suitability.*

In particular it is emphasized that in the case of printed material, no contact is allowed between the printing ink and the food product.

The undersigned is an authorized representative of LOTTE ADVANCED MATERIALS.

If you need more information, please contact our customer support.

Sincerely yours,

Issued Date: June. 21, 2016

Quality Management Team, General Manager

Namjoong Kim

