

TEST REPORT

NUMBER: LTR23120120A

APPLICANT: Faulks & Cox Ltd
21 Moat Way
Barwell
Leicester
LE9 8EY

DATE: 30 January 2024

For the attention of Michelle Hutchings

SAMPLE DESCRIPTION: 2 x 5L Red / 2 x 14L Red / 2 x 15L Red / 2 x 26L Red / 2 x 35L Red / 2 x 42L Red /
2 x 75L Red

REFERENCE / STYLE NO.: Not specified

RETAILER: Not specified

SAMPLE RECEIVED: 8 December 2023

PURCHASE ORDER: None

TEST REQUEST:	CONCLUSION:
**European Commission Regulation No. 10/2011 and Regulation No. 2016/1416, Regulation No. 2020/1245 and Regulation No. 1935/2004 - Overall migration	Pass
**European Commission Regulation No.10/2011 Annex II, Regulation No.2016/1416, Regulation No. 2017/752, Regulation No. 2020/1245 and Regulation No.1935/2004 - Specific Migration of Heavy Metal	Pass
**U.S. F.D.A. Regulation 21 CFR Part 177.1520 Clauses (c)(2.1) - Polyethylene	Pass

Tests marked (^) in this report are included in the scope of accreditation of the sub-contractor who performed the test.

Tests marked (*) in this report are not included in our UKAS scope of accreditation.

Tests marked (**) in this report are not included in the scope of accreditation of the sub-contractor who performed the test.

Opinions, interpretations and comments expressed herein are outside the scope of accreditation.



Claire Thompson
Operations Manager
Hardlines UK & Eire



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Overall Migration

Test standard : Commission Regulation (EU) No. 10/2011 and its amendments.

I. Test condition :

Aqueous food simulant	
Time	Temperature
10 days	40 °C

Vegetable oil	
Time	Temperature
10 days	40 °C

II. Test result :

Tested component	Migration	Result mg/dm ²		
		3% (w/v) acetic acid	10% (v/v) ethanol	Vegetable oil
(1)	1 st	<3	<3	<3
	2 nd	<3	<3	<3
	3 rd	<3	<3	<3
Limit mg/dm ²		10	10	10

Remark :

As per client's request, the above food simulants were used for the test.

Component no.	Component description	Location	Material type provided by client
1.	Red plastic	Trugs (all sizes)	PE

Date of Testing: 18 December 2023 – 26 January 2024

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Specific Migration of Heavy Metal

Test standard : Commission Regulation (EU) No. 10/2011 and its amendments.

I. Test condition :

Aqueous food simulant	
Time	Temperature
10 days	40 °C

II. Test Results :

Food simulant: 3% (w/v) acetic acid				
Element	Result in mg/kg			Limit in mg/kg
	(1)			
	1 st migration	2 nd migration	3 rd migration	
Aluminium (Al)	<0.1	<0.1	<0.1	1
Antimony (Sb)	<0.01	<0.01	<0.01	0.04
Arsenic (As)	<0.01	<0.01	<0.01	ND (0.01)
Barium (Ba)	<0.1	<0.1	<0.1	1
Cadmium (Cd)	<0.002	<0.002	<0.002	ND (0.002)
Chromium (Cr)	<0.01	<0.01	<0.01	ND (0.01)
Cobalt (Co)	<0.03	<0.03	<0.03	0.05
Copper (Cu)	<1	<1	<1	5
Europium (Eu)	<0.01	<0.01	<0.01	0.05
Gadolinium (Gd)	<0.01	<0.01	<0.01	0.05
Iron (Fe)	<5	<5	<5	48
Lanthanum (La)	<0.01	<0.01	<0.01	0.05
Lead (Pb)	<0.01	<0.01	<0.01	ND (0.01)
Lithium (Li)	<0.1	<0.1	<0.1	0.6
Manganese (Mn)	<0.1	<0.1	<0.1	0.6
Mercury (Hg)	<0.01	<0.01	<0.01	ND (0.01)
Nickel (Ni)	<0.005	<0.005	<0.005	0.02
Terbium (Tb)	<0.01	<0.01	<0.01	0.05
Zinc (Zn)	< 1	< 1	< 1	5
Sum of Europium, Gadolinium, Lanthanum and Terbium	<0.01	<0.01	<0.01	0.05

Remark :

ND = Not detected

As per client's request, the above food simulant was used for the test.



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Component no.	Component description	Location	Material type provided by client
1.	Red plastic	Trugs (all sizes)	PE

Date of Testing: 18 December 2023 – 26 January 2024

Test for F.D.A. Regulation on Polyethylene

Test Method : The U.S. Food and Drug Administration 21 CFR Part 177.1520 Clauses (c)(2.1) and (d).

Test item	Result	Limit
	(1)	
Density	Complied	0.85 - 1.00
Maximum extractable fraction in n-hexane, % (w/w)	<1.0	5.5
Maximum extractable fraction in xylene, % (w/w)	<1.0	11.3

Component no.	Component description	Location	Material type provided by client
1.	Red plastic	Trugs (all sizes)	PE

Date of Testing: 18 December 2023 – 17 January 2024

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END OF REPORT

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