



PRODUCT SPECIFICATION - PAPER BOWL

Doc. No: SP-11-03 / Published Date: 21.12.2017 / Rev. No: 03 /Rev. Date: 23.03.2021

Product Code	TM.FR20RKK
Product Description	20 Oz 145 mm KRAFT BOWL, 550cc
Origin	Turkey
Ingredients	Products are made of paperboard with PE coated lamination. Food contact glue.

Physical Properties

Parameters	Unit	Value	Tolerance
Unit Weight	g	12	+/- 5%
Width	mm	145	-
Height	mm	51	-
Wall Thickness	micron		+/- 5%

Chemical Properties

DETERMINATION of OVERALL MIGRATION						
FOOD TYPE	SIMULANT	TIME (h)	TEMP. (C ⁰)	METHOD	LOQ* (mg/kg)	REQUIREMENT
Acidic Food	Food Simulant B, Acetic Acid 3%	2	70	EN 1186-5	2	<=10 mg/ dm ²
Aqueous Food	Food Simulant A, Ethanol 10%	2	70	EN 1186-5	2	<=10 mg/ dm ²
Alternative Simulant for fatty Food Simulant	Fatty Food Simulant , Ethanol 95%	2	60	EN 1186-14	2	<=10 mg/dm ²
Fatty Food Substituted Simulation	Isooctane	30 min.	40	EN 1186-14	2	<=10 mg/ dm ²

DETERMINATION of SPECIFIC MIGRATION							
SUBSTANCE	CAS Number	SIMULANT	TIME (h)	TEMP. (C ⁰)	SML REQUIREMENT (mg/kg)	METHOD	DETECTION LIMIT (mg/kg)
Manganase (Mn)	7439-96-5	Acetic acid 3%	2h	70	0.6 (max.)	EN 13130-1 ISO 17294-1&2	0.007
Copper (Cu)	7440-50-8	Acetic acid 3%	2h	70	5 (max.)	EN 13130-1 ISO 17294-1&2	0.007
Cobalt (Co)	7440-48-4	Acetic acid 3%	2h	70	0.05 (max.)	EN 13130-1 ISO 17294-1&2	0.007
Lithium (Li)	7439-93-2	Acetic acid 3%	2h	70	0.6 (max.)	EN 13130-1 ISO 17294-1&2	0.008
Zinc (Zn)	7440-66-6	Acetic acid 3%	2h	70	5 (max.)	EN 13130-1 ISO 17294-1&2	0.010
Barium (Ba)	7440-39-3	Acetic acid 3%	2h	70	1 (max.)	EN 13130-1 ISO 17294-1&2	0.007
Iron (Fe)	7439-89-6	Acetic acid 3%	2h	70	48 (max.)	EN 13130-1 ISO 17294-1&2	0.008
Aluminum (Al)	7429-90-5	Acetic acid 3%	2h	70	1 (max.)	EN 13130-1 ISO 17294-1&2	0.008
Nickel (Ni)	7440-02-0	Acetic acid 3%	2h	70	0.02 (max.)	EN 13130-1 ISO 17294-1&2	0.007
Antimony (Sb)	7440-36-0	Acetic acid 3%	2h	70	0.04 (max.)	EN 13130-1 ISO 17294-1&2	0.003
Arsenic (As)	7440-38-2	Acetic acid 3%	2h	70	0.002 (ND)	EN 13130-1 ISO 17294-1&2	0.0002

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SUBSTANCE	CAS Number	SIMULANT	TIME (h)	TEMP. (C ⁰)	SML REQUIREMENT (mg/kg)	METHOD	DETECTION LIMIT (mg/kg)
Cadmium (Cd)	7440-43-9	Acetic acid 3%	2h	70	0.002 (ND)	EN 13130-1 ISO 17294-1&2	0.0009
Lead (Pb)	7439-92-1	Acetic acid 3%	2h	70	0.003 (ND)	EN 13130-1 ISO 17294-1&2	0.002
Mercury (Hg)	7439-97-6	Acetic acid 3%	2h	70	0.007 (ND)	EN 13130-1 ISO 17294-1&2	0.0001
Europium (Eu)	7440-53-1	Acetic acid 3%	2h	70	0.05 sum (max.)	EN 13130-1 ISO 17294-1&2	0.005
Gadolinium (Gd)	7440-54-2	Acetic acid 3%	2h	70		EN 13130-1 ISO 17294-1&2	0.005
Lanthanum (La)	7439-91-0	Acetic acid 3%	2h	70		EN 13130-1 ISO 17294-1&2	0.005
Terbium (Tb)	7440-27-9	Acetic acid 3%	2h	70		EN 13130-1 ISO 17294-1&2	0.005
Chromium (Cr)#	7440-47-3	Acetic acid 3%	2h	70	0.01 (ND)	EN 13130-1 ISO 17294-1&2	0.001

- N.D. : Not Detected
- # = When migration of total chromium is between 0.01 mg/kg and 3.6 mg/kg, chromium (VI) content in plastic shall be not dete

ANALYSIS NAME	CAS Number	TIME (h)	TEMP. (°C)	METHOD	LOQ*	REQUIREMENT
Determination of Bisphenol A Migration, Aqueous Food Simulant	80-05-7 FCM No: 151	2h	70	CEN/TS 13130-13 BS EN 14372 EN 14350-2	0.01 mg/kg	<=0,05 mg/kg
Butyl Benzyl Phthalate (BBP) Phthalatec Acid Benzyl butyl ester	85-68-7 FCM No: 159	-	-	BS EN 14372	0.002 %	<=0,1 %
Di-n-Butyl Phthalate (DBP)	84-74-2 FCM No: 157	-	-	BS EN 14372	0.002 %	<=0,05 %
Di(Ethylhexyl) Phthalate (DEHP)	117-81-7 FCM No: 283	-	-	BS EN 14372	0.001 %	<=0,1 %
Di-Iso-Nonyl Phthalate(DINP)	28553-12-0 FCM No: 728	-	-	BS EN 14372	0.022 %	<=0,1 %
Di-Isodecyl Phthalate (DIDP)	26761-40-0 FCM No: 729	-	-	BS EN 14372	0.015 %	<=0,1 %

* LOQ: Limit of Quantification

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SPECIFIC MIGRATION of PRIMARY AROMATIC AMINES (PAA)							
COMPOUND	CAS Number	SIMULANT	TIME (h)	TEMP. (°C)	METHOD	DETECTION LIMIT(mg/kg)	REQUIREMENT
4-Aminodiphenyl	92-67-1	Acetic acid 3%	2h	70	EN24815 EN2011	0.002	ND
Benzidine	92-87-5	Acetic acid 3%	2h	70	EN24815 EN2011	0.002	ND
4-Chloro-o-toluidine	95-69-2	Acetic acid 3%	2h	70	EN24815 EN2011	0.002	ND
2-Naphthylamine	91-59-8	Acetic acid 3%	2h	70	EN24815 EN2011	0.002	ND
o-Aminoazotoluene	97-56-3	Acetic acid 3%	2h	70	EN24815 EN2011	0.002	ND
2-Amino-4-nitrotoluene	99-55-8	Acetic acid 3%	2h	70	EN24815 EN2011	0.002	ND
p-Chloroaniline	106-47-8	Acetic acid 3%	2h	70	EN24815 EN2011	0.002	ND
2,4-Diaminoanisole	615-05-4	Acetic acid 3%	2h	70	EN24815 EN2011	0.002	ND
4,4'-Diaminodiphenylmethane	101-77-9	Acetic acid 3%	2h	70	EN24815 EN2011	0.002	ND
3,3'-Dichlorobenzidine	91-94-1	Acetic acid 3%	2h	70	EN24815 EN2011	0.002	ND
3,3'-Dimethoxybenzidine	119-90-4	Acetic acid 3%	2h	70	EN24815 EN2011	0.002	ND
3,3'-Dimethylbenzidine	119-93-7	Acetic acid 3%	2h	70	EN24815 EN2011	0.002	ND
3,3'-Dimethyl-4,4'-diamino diphenylmethane	838-88-0	Acetic acid 3%	2h	70	EN24815 EN2011	0.002	ND
p-Cresidine	120-71-8	Acetic acid 3%	2h	70	EN24815 EN2011	0.002	ND
4,4'-Methylene-bis (2-chloroaniline)	101-14-4	Acetic acid 3%	2h	70	EN24815 EN2011	0.002	ND
4,4'-Oxydianiline	101-80-4	Acetic acid 3%	2h	70	EN24815 EN2011	0.002	ND
4,4'-Thiodianiline	139-65-1	Acetic acid 3%	2h	70	EN24815 EN2011	0.002	ND
o-Toluidine	95-53-4	Acetic acid 3%	2h	70	EN24815 EN2011	0.002	ND
2,4-Toluylenediamine	95-80-7	Acetic acid 3%	2h	70	EN24815 EN2011	0.002	ND
2,4,5-Trimethylaniline	137-17-7	Acetic acid 3%	2h	70	EN24815 EN2011	0.002	ND

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COMPOUND	CAS Number	SIMULANT	TIME (h)	TEMP. (°C)	METHOD	DETECTION LIMIT(mg/kg)	REQUIREMENT
o-Anisidine	90-04-0	Acetic acid 3%	2h	70	EN24815 EN2011	0.002	ND
4-Aminoazobenzene	60-09-3	Acetic acid 3%	2h	70	EN24815 EN2011	0.002	ND
m-Phenylendiamine	108-45-2	Acetic acid 3%	2h	70	EN24815 EN2011	0.002	ND
Benzoguanamin	91-76-9	Acetic acid 3%	2h	70	EN24815 EN2011	0.05	5
4,4'-Methylenebis(3-chloro- 2,6-diethylaniline	106246-33-7	Acetic acid 3%	2h	70	EN24815 EN2011	0.05	0.05
Total of other primary aromatic amines	-	Acetic acid 3%	2h	70	EN24815 EN2011	0.010	0.010

Analysis Name: Specific migration of Primary Aromatic Amines (**PAA**)

Requirement: European Commission Regulation No. 10/2011 Annex II, Regulation No. 2016/1416, Regulation No. 2020/1245 and Regulation No. 1935/2004 –Specific Migration of Primary Aromatic Amines

Remark: **ND** = Not detected

Packaging Properties

Parameters	Unit	Value
Pcs/sleeve		50
pcs/box		500
Sleeve width	mm	300
Sleeve lenght	mm	750
Sleeve Unit Weight	g	10
Box width	mm	310
Box lenght	mm	750
Box height	mm	485
Box unit weight	g	900
Net Weight	g	6000
Gross Weight	g	7000
Cases Per Layer		4
Number of Layers		4
Total Cases Per Pallet		16
Pallet Height	mm	1960

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General Information

Transport	<ul style="list-style-type: none">* Products must be referred without any pest, pest remains, glass, wood, wire etc. contamination.* Vehicles must be cleaned before installation* During transport, over the vehicle must be closed by polyethylene and sealed canvas, rain water infiltration must be avoided and must not be opened before
Storage	<ul style="list-style-type: none">* It should be stored in original packaging in dry conditions away from sunlight. Temperature 10 - 30 °C Relative Humidity Max 60%.* Expiraiton Date: 2 years from the date of production.
Labelling Information	Product code and description, parcel number, order number, date, shift, barcode number ☞
Traceability	Date and Shift

Legal Requirements

EUROPEAN UNION

1. Regulation (EC) No 1935/2004 on materials and articles intended to come into contact with food and its amendments up to date of this document
2. Regulation (EC) No 2023/2006 on good manufacturing practice for materials and articles intended to come into contact with food and its amendments up to date of this statement
3. Regulation (EC) No 10/2011 on plastic materials and articles intended to come into contact with food and its amendments up to date of this document
4. Regulation (EU) 2016/1416 of 24 August 2016 amending and correcting Regulation (EU) No 10/2011 on plastic materials and articles intended to come into contact with Food
5. Regulation (EU) 2020/1245 of 2 September 2020 amending and correcting Regulation (EU) No 10/2011 on plastic materials and articles intended to come into contact with food
6. Commission Regulation (EU) 2017/752 of 28 April 2017 amending and correcting Regulation (EU) No 10/2011 on plastic materials and articles intended to come into contact with Food
7. Directive 94/62/EC on packaging and packaging waste and its amendsments up to date regarding the threshold limit of 100 ppm by weight of heavy metals

TURKISH FOOD CODEX

8. Veterinary Services, Plant Health, Food and Feed Law (O.N. 27610/13.06.2010)- (O.N : 30616/5.12.2018)
9. Regulation on Food Hygiene (O.N. 28145/17.12.2011)
10. Turkish Food Codex Food Labeling and Consumer Information Regulation (O.N. 29960/26.01.2017)
11. Property of Materials and Food Contact Regulation on Good Manufacturing Practice and Registration Procedures (O.N. 28373/03.08.2012)- (O.N : 28547/02.02.2013)
12. Regulation on plastic materials and articles intended to come into contact with food (2019/44) (O.N. 30989/25.12.2019)
13. Regulation on the list of simulants used in migration test of plastic materials and articles intended to come into contact with food (2019/43) (O.N. 30989/25.12.2019)
14. Turkish Food Codex Regulation on Substances and Materials in contact with food (R.G. 30680 / 8.2.2019)
15. Regulation on Registration and Approval Procedures of Food Businesses (R.G. 30825 / 08.07.2019)
16. The Regulation of Waste Control of Food Contact Materials

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