

RIIL LABS.
Labs building Sokhna Port
Suez, EGYPT

Test Report

No: 269,248 -V1

Customer: The Egyptian Portuguese company for plastic (EP Plastic)
Contact details: Apartment 5, floor 2, building 163, residential area 11, Sadat, Menoufia

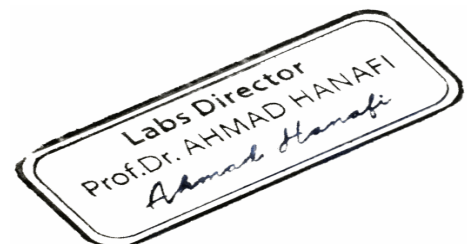
Report Date: 25/3/2026
Receiving date: 12/3/2026

Contact: Dr. Maha Salah

Sample Name: شريحة بلاستيك جزء من برميل احمر ٢٣٠ لتر

Sampled by: Customer

Lab: Food Contact Materials								
Code: 269,255 @ 269,248								
Start Analysis: 10/3/2026			End Analysis: 25/3/2026		Temperature: 20-25 °C		Humidity: 40-60 %	
Test Item	Units	Results	Specific Migration Limit (SML)	Reference	LOQ	Uncertainty	Compliance	Test Method
Acetic Acid 3% for 10 days at 40°C								
BENZO A ANTHRACENE	mg/kg	Not Detected	-----	NFSA Decision 17-2022	0.260	22.2%	Comply	Yu Y., Jin, Q., Wang X. G. Chapter 5(10) Pages 409-414 Journal of Chemical and Pharmaceutical Research, 2013
BENZO A PYRENE	mg/kg	Not Detected	-----	NFSA Decision 17-2022	0.200	23.9%	Comply	Yu Y., Jin, Q., Wang X. G. Chapter 5(10) Pages 409-414 Journal of Chemical and Pharmaceutical Research, 2013
BENZO B FLUORANTHENE	mg/kg	Not Detected	-----	NFSA Decision 17-2022	0.230	26.2%	Comply	Yu Y., Jin, Q., Wang X. G. Chapter 5(10) Pages 409-414 Journal of Chemical and Pharmaceutical Research, 2013
CHRYSENE	mg/kg	Not Detected	-----	NFSA Decision 17-2022	0.460	30.7%	Comply	Yu Y., Jin, Q., Wang X. G. Chapter 5(10) Pages 409-414 Journal of Chemical and Pharmaceutical Research, 2013



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No: 269,248 -V1

Lab: Food Contact Materials

Code: 269,255 @ 269,248

Start Analysis: 10/3/2026

End Analysis: 25/3/2026

Temperature: 20-25 °C

Humidity: 40-60 %

Test Item	Units	Results	Specific Migration Limit (SML)	Reference	LOQ	Uncertainty	Compliance	Test Method
Total PAHs	mg/kg	Not Detected	-----	NFSA Decision 17-2022	----	----	Comply	Yu Y., Jin, Q., Wang X. G. Chapter 5(10) Pages 409-414 Journal of Chemical and Pharmaceutical Research, 2013
Terphthalic_Acid	mg/kg	Not Detected	Max 0.3	NFSA Decision 17-2022	0.100	±24.1%	Comply	EN 13130-2/2005
Bisphenol A	mg/kg	Not Detected	Max 0.05	NFSA Decision 17-2022	0.005	±12.3%	Comply	CEN/TS 13130-13:2005
Melamine	mg/kg	Not Detected	Max 2.5	NFSA Decision 17-2022	0.070	±8.5%	Comply	EN 13130-27/2005 -02
Acrylamide	µg/kg	Not Detected	Not Detected	NFSA Decision 17-2022	10.000	25.8%	Comply	EN 13130-10/2005
2,6-touene diisocyanate	µg/kg	Not Detected	Not Detected	NFSA Decision 17-2022	6.000	±36.5%	Comply	EN 13130-8/2004
diphenylmethane-4,4'-dii socyanate	µg/kg	Not Detected	Not Detected	NFSA Decision 17-2022	10.000	±28.3%	Comply	EN 13130-8/2004
2,4-toluene diisocyanate	µg/kg	Not Detected	Not Detected	NFSA Decision 17-2022	8.000	±27.9%	Comply	EN 13130-8/2004



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Lab: Food Contact Materials

Code: 269,255 @ 269,248

Start Analysis: 10/3/2026

End Analysis: 25/3/2026

Temperature: 20-25 °C

Humidity: 40-60 %

Test Item	Units	Results	Specific Migration Limit (SML)	Reference	LOQ	Uncertainty	Compliance	Test Method
hexamethylene diisocyanate	µg/kg	Not Detected	Not Detected	NFSA Decision 17-2022	6.000	±40.2%	Comply	EN 13130-8/2004
Total Isocyanates	µg/kg	Not Detected	Not Detected	NFSA Decision 17-2022	----	-----	Comply	EN 13130-8/2004
m-phenylenediamine (m-PDA)	mg/kg	Not Detected	-----	NFSA Decision 17-2022	0.00020	17.1%	Comply	EUR 24815 EN 2011
2,6-Toluenediamine (2,6-TDA)	mg/kg	Not Detected	-----	NFSA Decision 17-2022	0.00020	27.4%	Comply	EUR 24815 EN 2011
2,4-Toluenediamine (2,4-TDA)	mg/kg	Not Detected	-----	NFSA Decision 17-2022	0.00020	18.3%	Comply	EUR 24815 EN 2011
1,5-diaminenaphthalene (1,5-DAN)	mg/kg	Not Detected	-----	NFSA Decision 17-2022	0.00020	27.9%	Comply	EUR 24815 EN 2011
Aniline (ANL)	mg/kg	Not Detected	-----	NFSA Decision 17-2022	0.00020	33.2%	Comply	EUR 24815 EN 2011
4,4-diaminodiphenylether (4,4-DPE)	mg/kg	Not Detected	-----	NFSA Decision 17-2022	0.00020	18.2%	Comply	EUR 24815 EN 2011



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Lab: Food Contact Materials

Code: 269,255 @ 269,248

Start Analysis: 10/3/2026

End Analysis: 25/3/2026

Temperature: 20-25 °C

Humidity: 40-60 %

Test Item	Units	Results	Specific Migration Limit (SML)	Reference	LOQ	Uncertainty	Compliance	Test Method
4,4-methylenedianiline (4,4-MDA)	mg/kg	Not Detected	-----	NFSA Decision 17-2022	0.00020	20.6%	Comply	EUR 24815 EN 2011
3,3-Dimethylbenzidine (3,3-DMB)	mg/kg	Not Detected	-----	NFSA Decision 17-2022	0.00020	30.6%	Comply	EUR 24815 EN 2011
Sum of PAA	mg/kg	Not Detected	Not Detected	NFSA Decision 17-2022	----	-----	Comply	EUR 24815 EN 2011
1A/1B Classified primary aromatic amines (PAA)	mg/kg	Not Detected	-----	NFSA Decision 17-2022	----	-----	Comply	EUR 24815 EN 2011

Person in charge / Lab responsible: Mohamed Khaleel



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Test Report

No: 269,248 -V1

Lab: Food Contact Materials

Code: 269,256 @ 269,248

Start Analysis: 10/3/2026

End Analysis: 25/3/2026

Temperature: 20-25 °C

Humidity: 40-60 %

Test Item	Units	Results	Specific Migration Limit (SML)	Reference	LOQ	Uncertainty	Compliance	Test Method
Formaldehyde	mg/kg	Not Detected	Max 15	NFSA Decision 17-2022	1.500	2.3%	Comply	EN 13130-23/2005

Person in charge / Lab responsible: Abdelrahman Ghazaly



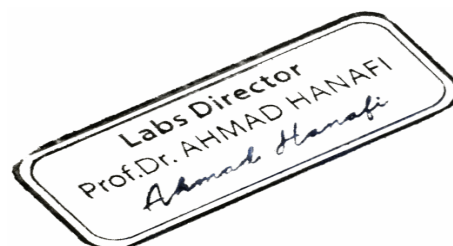
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Test Report

No: 269,248 -V1

Lab: Food Contact Materials								
Code: 269,257 @ 269,248								
Start Analysis: 12/3/2026			End Analysis: 25/3/2026		Temperature: 21-25 °C		Humidity: 40-60 %	
Test Item	Units	Results	Specific Migration Limit (SML)	Reference	LOQ	Uncertainty	Compliance	Test Method
Acetic Acid 3% for 10 days at 40°C								
Dibutyl Phthalate (DBP)	mg/kg	Not Detected	Max 0.3	NFSA Decision 17-2022	0.050	±39%	Comply	SOP-FCM-09/2023-10
Di(2-ethylhexyl) phthalate (DEHP)	mg/kg	Not Detected	Max 1.5	NFSA Decision 17-2022	0.050	±43%	Comply	SOP-FCM-09/2023-10
Benzyl butyl phthalate (BBP)	mg/kg	Not Detected	Max 30	NFSA Decision 17-2022	1.000	±41%	Comply	SOP-FCM-09/2023-10
Diiso nonyl phthalate (DINP)	mg/kg	Not Detected	-----	NFSA Decision 17-2022	1.000	±46%	Comply	SOP-FCM-09/2023-10
Diiso decyl phthalate (DIDP)	mg/kg	Not Detected	-----	NFSA Decision 17-2022	1.000	±43%	Comply	SOP-FCM-09/2023-10
Diiso nonyl phthalate (DINP) + Diiso decyl phthalate (DIDP)	mg/kg	Not Detected	-----	NFSA Decision 17-2022	1.000	-----	Comply	SOP-FCM-09/2023-10

Person in charge / Lab responsible: ch/Ghada Ali



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No: 269,248 -V1

Lab: Food Contact Materials

Code: 269,258 @ 269,248

Start Analysis: 9/3/2026

End Analysis: 25/3/2026

Temperature: (20-25)°C

Humidity: (40-60)%

A- Over All Migration Test

Test Item	Units	Results	Standard Limits	Reference	Uncertainty	Compliance	Test Method
Acetic Acid 3% for 10 days at 40°C							
Replicate / 1	mg/dm ²	Not Detected	-----	EU 10/2011	----	Comply	EN 1186-3/2022
Replicate / 2	mg/dm ²	Not Detected	-----	EU 10/2011	----	Comply	EN 1186-3/2022
Replicate / 3	mg/dm ²	Not Detected	-----	EU 10/2011	----	Comply	EN 1186-3/2022
Mean	mg/dm ²	Not Detected	Max 10	EU 10/2011	---- ±10%	Comply	EN 1186-3/2022
Deionised Water for 10 days at 40°C							
Replicate / 1	mg/dm ²	Not Detected	-----	EU 10/2011	----	Comply	EN 1186-3/2022
Replicate / 2	mg/dm ²	Not Detected	-----	EU 10/2011	----	Comply	EN 1186-3/2022
Replicate / 3	mg/dm ²	Not Detected	-----	EU 10/2011	----	Comply	EN 1186-3/2022
Mean	mg/dm ²	Not Detected	Max 10	EU 10/2011	---- ±10%	Comply	EN 1186-3/2022



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Start Analysis: 9/3/2026

End Analysis: 25/3/2026

Temperature: (20-25)°C

Humidity: (40-60)%

A- Over All Migration Test

Test Item	Units	Results	Standard Limits	Reference	Uncertainty	Compliance	Test Method
Ethanol 10% for 10 days at 40°C							
Replicate / 1	mg/dm ²	Not Detected	-----	EU 10/2011	----	Comply	EN 1186-3/2022
Replicate / 2	mg/dm ²	Not Detected	-----	EU 10/2011	----	Comply	EN 1186-3/2022
Replicate / 3	mg/dm ²	Not Detected	-----	EU 10/2011	----	Comply	EN 1186-3/2022
Mean	mg/dm ²	Not Detected	Max 10	EU 10/2011	---- ±10%	Comply	EN 1186-3/2022
Olive Oil for 10 days at 40°C							
Replicate / 1	mg/dm ²	Not Detected	-----	EU 10/2011	----	Comply	EN 1186-2/2022
Replicate / 2	mg/dm ²	Not Detected	-----	EU 10/2011	----	Comply	EN 1186-2/2022
Replicate / 3	mg/dm ²	Not Detected	-----	EU 10/2011	----	Comply	EN 1186-2/2022
Mean	mg/dm ²	Not Detected	Max 10	EU 10/2011	---- ±6%	Comply	EN 1186-2/2022



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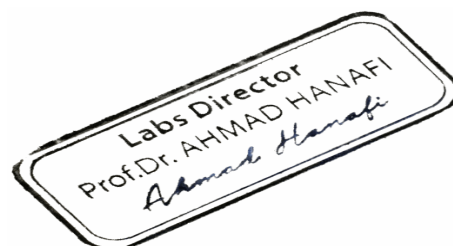
End Analysis: 25/3/2026

Temperature: (20-25)°C

Humidity: (40-60)%

B- Migration of Heavy Metals for 10 days at 40°C

Test Item	Units	Results	Specific Migration Limit (SML)	Reference	LOQ	Uncertainty	Compliance	Test Method
* Mercury	mg/kg	Not Detected	Not Detected	EU 1245/2020	----	±7%	Comply	EPA 7473 / 2007
Lead	mg/kg	Not Detected	Not Detected	EU 1245/2020	0.006	±10%	Comply	EU 10/2011
Cadmium	mg/kg	Not Detected	Not Detected	EU 1245/2020	0.001	±10%	Comply	EU 10/2011
Nickel	mg/kg	Not Detected	Max 0.020	EU 1245/2020	0.006	±14%	Comply	EU 10/2011
Cobalt	mg/kg	Not Detected	Max 0.050	EU 1245/2020	0.006	±10%	Comply	EU 10/2011



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Start Analysis: 9/3/2026

End Analysis: 25/3/2026

Temperature: (20-25)°C

Humidity: (40-60)%

B- Migration of Heavy Metals for 10 days at 40°C

Test Item	Units	Results	Specific Migration Limit (SML)	Reference	LOQ	Uncertainty	Compliance	Test Method
Chromium	mg/kg	Not Detected	Not Detected	EU 1245/2020	0.006	±15%	Comply	EU 10/2011
Lithium	mg/kg	Not Detected	Max 0.600	EU 1245/2020	0.060	±11%	Comply	EU 10/2011
Manganese	mg/kg	Not Detected	Max 0.600	EU 1245/2020	0.060	±3%	Comply	EU 10/2011
Aluminum	mg/kg	<LOQ	Max 1.000	EU 1245/2020	0.060	±7%	Comply	EU 10/2011
Barium	mg/kg	Not Detected	Max 1.000	EU 1245/2020	0.060	±4%	Comply	EU 10/2011



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Lab: Food Contact Materials

Code: 269,258 @ 269,248

Start Analysis: 9/3/2026

End Analysis: 25/3/2026

Temperature: (20-25)°C

Humidity: (40-60)%

B- Migration of Heavy Metals for 10 days at 40°C

Test Item	Units	Results	Specific Migration Limit (SML)	Reference	LOQ	Uncertainty	Compliance	Test Method
Arsenic	mg/kg	Not Detected	Not Detected	EU 1245/2020	0.001	-----	Comply	EU 10/2011
* Antimony	mg/kg	Not Detected	Max 0.040	EU 1245/2020	0.003	-----	Comply	EU 10/2011
Iron	mg/kg	<LOQ	Max 48.000	EU 1245/2020	0.060	±10%	Comply	EU 10/2011
Copper	mg/kg	Not Detected	Max 5.000	EU 1245/2020	0.060	±5%	Comply	EU 10/2011
Zinc	mg/kg	0.119	Max 5.000	EU 1245/2020	0.060	±14%	Comply	EU 10/2011

Person in charge / Lab responsible:

Mahmoud Samy

"End of the report"



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No: 269,248 -V1

RIIL's General Terms and Conditions for test report

This test report issued by Royal International Inspection Labs [RIIL], accordance with and subject to the Terms and Conditions herein contained.

- Testing laboratory comply with ISO/IEC 17025:2017, with accreditation certificate No D-PL-14316-01-00 from DAkkS
- The result shown in this report refers only to the sample tested.
- All data in this report are confidential from RIIL side.
- Another version, conformity reports, opinions and interpretations will be provided after agreement between RIIL and our valued customer.
- Limit of Detection (LOD) is 1/3 of the Limit of Quantitation (LOQ)
- (*) This test is not included in RIIL's accreditation scope.
- The sample submitted by the client shall be tested- analyzed according to the client request (standard and methods), In the absence of any written instructions, the client is deemed to have agreed and accepted the standard and methods used by RIIL
- The test report includes customer data as stated in writing (RIIL's not responsibility of the accuracy of this data). the result, and the standard and methods.
RIIL is responsible only for the results.
- RIIL's test report is not a certificate of product quality, the result doesn't indicate or imply that RIIL approves, recommends or endorses the product of this client.
- The test report is only valid when signed by the lab director, this test report shall not have reproduced except in full.
- The modification of the test report after issuance. This is after written instructions from the client includes the reason for this modification, after the approval of the Quality Department for this reason, RIIL issues version 2 for this test report.
- The client undertakes to inform the RIIL of any complaint it may receive regarding the test report. Failure to do so exempts the RIIL from any responsibility.
- RIIL's test report shall not be used for advertising and legal proceeding purpose without prior written approval from RIIL.

The tested materials or samples will be stored in RIIL stores (week for comply samples- one month for not comply samples) after issue of the test report and then they will be destroyed, so that any rest of samples have to be requested within this period via official letter from client addressed to RIIL.

- Quantity of the samples needed
 - For food contact materials
 - 1- plastic sheet Quantity needed is 1.5m per sample
 - 2- Article filling samples (bottles, jerry can, container) Size till 10L quantity needed 18 pieces per sample.
Size over 10L quantity needed 5 pieces per sample (cutting to be sheets).
Article filling samples (caps, PET preforms) quantity needed 35 pieces per sample.
 - 3- The paper and cardboard. Quantity needed 300g per sample.
 - 4- For metal samples, quantity needed 02 pieces per sample.
 - For food materials
 - 1- A minimum 250g for (raw - final) products
 - 2- 1-2kg for Pesticide residue and food contaminant samples

