# TEST REPORT

KOTITI No. | 8224-1401-103572

**Applicant** Avery Dennison Korea

Jun 24, 2024 **Date Out** | Jul 03, 2024 **Date In** 

Issue No	5380736406
Sample Description	CL PET TCY
Sample Quantity	One (1) Sample(s)
Buyer	N/S
Item Number	CL PET TCY
Material	film
Testing Period	Jun 24, 2024 ~ Jul 03, 2024
Test Result	For further details, please refer to the following page(s).

\*N/S: Not Submitted, N.A.: Not Applicable, N.D.: Not Detected [< RL(Report Limit)]

\*Negative: Not Detected, Positive: Detected

Prepared by Technical Manager Affirmation Name: Seung Yoon Chor Name: Gun Young Ryu





Contact Information for technical questions and general inquiries

· Primary Contact: Yun jae Lee T (822)3451-7116 E yjlee@kr.kotiti-global.com

· Back-up: Gun young Ryu T (822)3451-7328 E gy\_ryu@kr.kotiti-global.com

48, Gwacheon-daero 7na-gil, Gwacheon-si, Gyeonggi-do, Republic of Korea T (822)6191-6182 F (822)3451-7179 W www.kotiti-global.com

- 1. The test results contained in this report are limited to results on the sample(s) that is provided by client and are not necessarily indicative or representative of the qualities of the lot from which the sample(s) was taken or of all products.
- 2. Further use of the results of this report is prohibited unless allowed under a separate agreement set forth in an official document that is established between the client identified on this letter and the KOTITI Testing & Research Institute.
- 3. The test result in this report is not related to Accreditation of KOLAS.
- 4. You can verify the authenticity by the QR code at the bottom right side of the issued report or access http://cs.kotiti-global.com and enter the test report number. QPF-16-06(rev.02)

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Tested Samp	ole List		
Sample No.	Sample Description	Item No.	Material
1	CL PET TCY	CL PET TCY	film



# RoHS, Unit: mg/kg (EU Directive 2011/65/EU, 2015/863/EU)

Test Conducted	Test Method	RL	Test Results
			1
Lead (Pb)	IEC 62321-5:2013 (Acid digestion and	5	N.D.
Cadmium (Cd)	determined by ICP-OES)	2	N.D.
Mercury (Hg)	IEC 62321-4:2013+AMD1:2017 CSV (Acid digestion and determined by ICP-OES)	1	N.D.
Hexavalent Chromium(Cr <sup>6+</sup> )	IEC 62321-7-2:2017 (Solvent extraction and determined by UV-VIS)	8	N.D.
* Polybrominated Biphenyls(PE	BBs)		
Bromobiphenyl		5	N.D.
Dibromobiphenyl		5	N.D.
Tribromobiphenyl		5	N.D.
Tetrabromobiphenyl		5	N.D.
Pentabromobiphenyl		5	N.D.
Hexabromobiphenyl	IEC 62321-6:2015 (Solvent extraction and determined by GC-MS)	5	N.D.
Heptabromobiphenyl		5	N.D.
Octabromobiphenyl		5	N.D.
Nonabromobiphenyl		5	N.D.
Decabromobiphenyl		5	N.D.
Sum of PBBs		-	N.D.
* Polybrominated Diphenyl Eth	ers(PBDEs)		
Bromodiphenyl ether		5	N.D.
Dibromodiphenyl ether		5	N.D.
Tribromodiphenyl ether		5	N.D.
Tetrabromodiphenyl ether		5	N.D.
Pentabromodiphenyl ether		5	N.D.
Hexabromodiphenyl ether	IEC 62321-6:2015 (Solvent extraction and determined by GC-MS)	5	N.D.
Heptabromodiphenyl ether		5	N.D.
Octabromodiphenyl ether		5	N.D.
Nonabromodiphenyl ether		5	N.D.
Decabromodiphenyl ether		5	N.D.
Sum of PBDEs		_	N.D.



# Phthalates, Unit: mg/kg (EU Directive 2011/65/EU, 2015/863/EU)

Test Conducted	Test Method	RL	Test Results
			1
di-n-butyl phthalate (DBP)		50	N.D.
di(ethylhexyl) phthalate (DEHP)		50	N.D.
butyl benzyl phthalate (BBP)	IEC 62321-8:2017 (Solvent extraction and determined by GC-MS or LC-MS)	50	N.D.
diisobutyl phthalate (DIBP)		50	N.D.
di-isononyl phthalate (DINP)		50	N.D.
Di-n-hexyl Phthalate (DnHP)		50	N.D.
di-iso-decyl phthalate (DIDP)		50	N.D.
Di-n-octyl Phthalate (DNOP)		50	N.D.



# Halogen, Unit: mg/kg

Test Conducted	Test Method	RL	Test Results
			1
Bromine (Br)	IEC 62321-3-2:2020 & KS M 0180:2009 determined by C-IC	30	N.D.
Chlorine (CI)		30	N.D.



# Sulfur (S), Unit: mg/kg

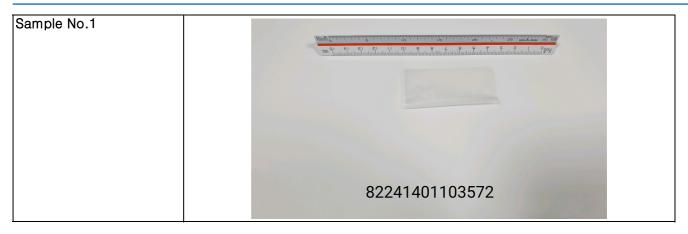
Test Conducted	Test Method	RL	Test Results
			1
Sulfur (S)	IEC 62321-3-2:2020 & KS M 0180:2009 determined by C-IC	30	382.5



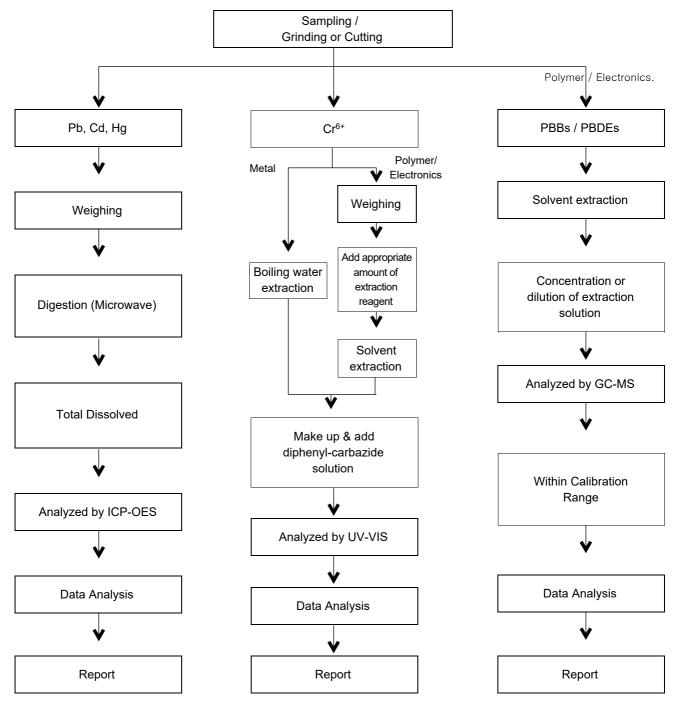
# Heavy metal, Unit: mg/kg

Test Conducted	Test Method	RL	Test Results
			1
Antimony (Sb)	Reference to EPA 3052:1996 determined by	5	171.7
Beryllium (Be)	ICP-OES, AAS	5	N.D.

# Photo of the submitted sample(s)

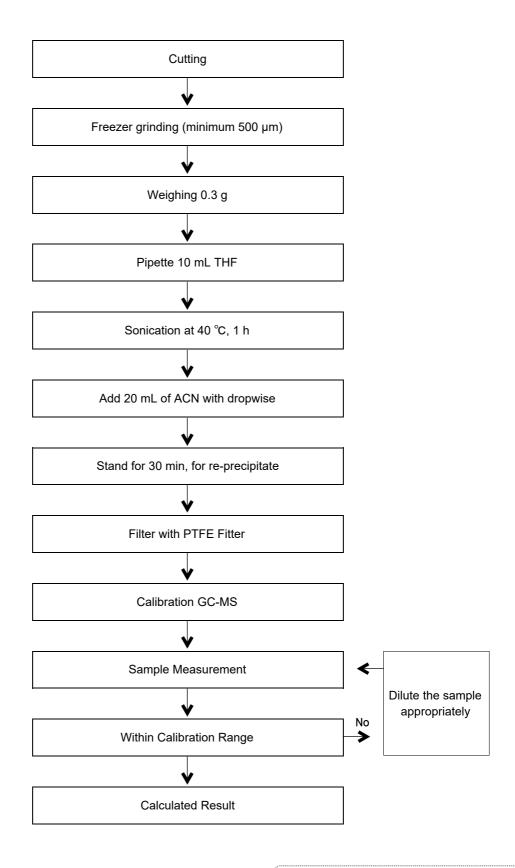


# RoHS(Pb, Hg, Cd, Cr<sup>6+</sup>, PBBs/PBDEs)

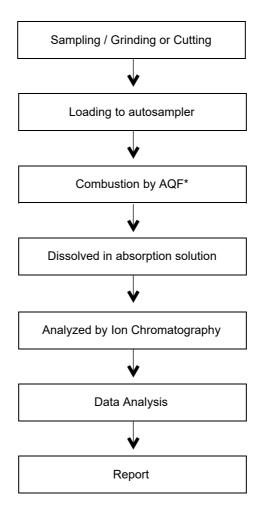


Material	Digestion Acid	
Polymers	HNO <sub>3</sub> , HCI, HF, H <sub>2</sub> O <sub>2</sub> , H <sub>2</sub> SO <sub>4</sub> , etc.	
Metals	HNO <sub>3</sub> , HCI	
Electronics	HNO <sub>3</sub> , HCI, HF, H <sub>2</sub> O <sub>2</sub> , H <sub>2</sub> SO <sub>4</sub> , etc.	

#### **Phthalates**

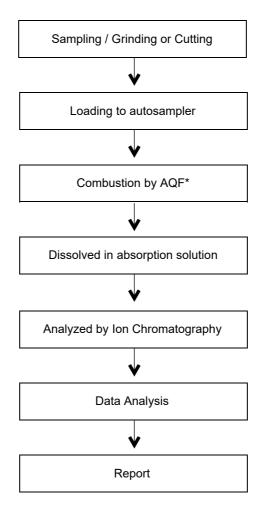


#### Halogen



\*AQF: Automated Quick Furnace

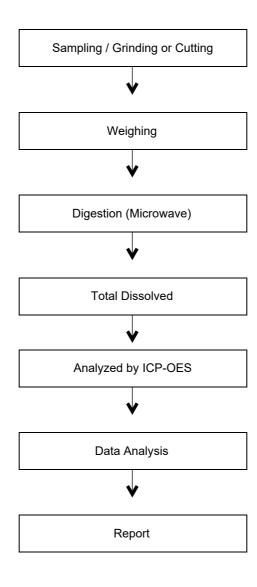
#### Sulfur



\*AQF: Automated Quick Furnace



# **Heavy metal**



Material	Digestion Acid	
Polymers	HNO <sub>3</sub> , HCI, HF, H <sub>2</sub> O <sub>2</sub> , H <sub>2</sub> SO <sub>4</sub> , etc.	
Metals	HNO <sub>3</sub> , HCI	
Electronics	HNO <sub>3</sub> , HCI, HF, H <sub>2</sub> O <sub>2</sub> , H <sub>2</sub> SO <sub>4</sub> , etc.	