

TEST REPORT

Report No.: GN202002023

Date: April 15, 2020

Page: 1 of 7

Applicant (008758):

Sample Submitted: One kind of finished product (see the last page for photo) said to be Business Card Holder

Part No.: 470.08765 (K-052)

Material: PS(Polystyrene)

Reference No.: KJ-V20006

Manufactory:

Sample Received on: Apr. 09, 2020

Test Period: Apr. 09, 2020 – Apr. 14, 2020

Results: Please refer to result page(s).

Summary:

| <u>Test Conducted</u> | <u>Assessment</u> |
|---|-------------------|
| (1) Regulation (EC) No 1907/2006 (REACH) and (EC) No 276/2010, Annex XVII, Entry 20 - Organic Tin | Pass |
| (2) Regulation (EC) No 1907/2006 (REACH) and (EU) No 217/2016, Annex XVII, Entry 23 - Cadmium and its compounds | Pass |
| (3) Regulation (EC) No 1907/2006 (REACH) Including the revision of regulation 2018/2005(EU) and (EC) No 552/2009, Annex XVII, Entry 51 and 52 - Phthalates | Pass |
| (4) Regulation (EC) No 1907/2006 (REACH) and (EC) No 412/2012, Annex XVII, Entry 61 - Dimethylfumarate (DMF) | Pass |
| (5) Regulation (EC) No 1907/2006 (REACH) and (EC) No No 552/2009, Annex XVII, Entry 67 - decaBDE | Pass |

(To be continued)

报告批准人 Approved by

蚁乐洲 YI Lezhou



TEST REPORT

Report No.: GN202002023

Page: 2 of 7

Results

(1) Analyse the content of Tributyltin (TBT), Triphenyltin (TPT), Dibutyltin (DBT) and Dioctyltin (DOT) compounds according to entry 20 of Annex XVII, Regulation (EC) No 1907/2006 (REACH) and its amending Regulation (EC) No 276/2010, which replaces 2009/425/EC

Method: With reference to EPA 3550C:2007 and ISO 17353:2004, analyzed by Gas Chromatographic-Mass Spectrometer (GC-MS)

Assessment: Tested specimen pass

Result in percent (% , by weight of tin)

| Test Item | TBT | TPT | DBT | DOT |
|--------------|-----|-----|-----|-----|
| Limit | 0.1 | 0.1 | 0.1 | 0.1 |
| Specimen No. | | | | |
| 1 | ND | ND | ND | ND |

ND = Not Detected (less than RL), RL = Report Limit, RL=0.001%

Specimen description:

1. Transparent plastic

(To be continued)

TEST REPORT

Report No.: GN202002023

Page: 3 of 7

Results

(2) Regulation (EC) No 1907/2006 (REACH) Annex XVII entry 23 and its amending Regulation (EU) No 217/2016, restrictions on Cadmium and its compounds.

Method:

Sample preparation:

For plastic materials — as per EN 1122:2001-Method B

For coatings — with reference to CPSC-CH-E1003-09.1

For metals — with reference to CPSC-CH-E1001-08.3

For other materials — with reference to CPSC-CH-E1002-08.3

Element determination:

By Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES)

Assessment: Tested specimen pass

Result in % (by weight)

| Element | Tot. Cd |
|--------------|---------|
| Limit | 0.01 |
| RL | 0.001 |
| <hr/> | |
| Specimen No. | |
| 1 | ND |

Tot. = Total

ND = Not Detected (less than RL), RL = Report Limit

Specimen description:

1. Transparent plastic

(To be continued)

TEST REPORT

Report No.: GN202002023

Page: 4 of 7

Results

(3) Analyze the content of phthalates in the plasticised material according to entry 51 of Annex XVII, Regulation (EC) No 1907/2006 (REACH) Including the revision of regulation 2018/2005(EU) and its amending Regulation (EC) No 552/2009, which replaces 2005/84/EC

Method: With reference to ISO 8124-6:2014 method B, analyzed by Gas Chromatographic-Mass Spectrometer (GC-MS), quantified by external standard

Assessment: Tested specimen pass

Result in mg/kg

| CAS No. | Test Item | Limit | Specimen No. |
|----------|-----------------------------------|-------|--------------|
| | | | 1 |
| 84-74-2 | Dibutyl Phthalate (DBP) | 1000 | ND |
| 85-68-7 | Benzyl Butyl Phthalate (BBP) | 1000 | ND |
| 117-81-7 | Di(2-ethylhexyl) Phthalate (DEHP) | 1000 | ND |
| 84-69-5 | Diisobutyl phthalate(DIBP) | 1000 | ND |
| -- | Sum of DBP+BBP+DEHP+DIBP | 1000 | ND |

ND = Not Detected (less than RL), RL = Report Limit, RL= 100mg/kg
1000 mg/kg = 0.1%(m/m)

Specimen description:

1. Transparent plastic

(To be continued)

TEST REPORT

Report No.: GN202002023

Page: 5 of 7

Results

(4) Analyze the content of Dimethylfumarate (DMF) according to entry 61 of Annex XVII, Regulation (EC) No 1907/2006 (REACH) and its amending Regulation (EC) No 412/2012, which replaces 2009/251/EC

Method: With reference to US EPA 3550C:2007, analyzed by Gas Chromatographic-Mass Spectrometer (GC-MS)

Assessment: Tested specimen pass

Result in mg/kg

| | |
|-----------|----------|
| CAS No. | 624-49-7 |
| Test Item | DMF |
| Limit | 0.1 |

| | |
|--------------|----|
| Specimen No. | |
| 1 | ND |

ND = Not Detected (less than RL), RL = Report Limit, RL=0.05mg/kg

Specimen description:

1. Transparent plastic

(To be continued)

TEST REPORT

Report No.: GN202002023

Page: 6 of 7

Results

(5) Analyse the Content of decaBDE according to entry 67 of Annex XVII, Regulation (EC) No 1907/2006 (REACH) and its amending Regulation (EC) No 552/2009

Method: With reference to US EPA 3550C:2007, analyzed by Gas Chromatographic-Mass Spectrometer (GC-MS)

Assessment: Tested specimen pass

Result in mg/kg

| CAS No. | Test Item | Limit | Specimen No. |
|-----------|--|-------|--------------|
| | | | 1 |
| 1163-19-5 | Bis(pentabromophenyl)ether; (decabromodiphenyl ether; decaBDE) | 1000 | ND |

ND = Not Detected (less than RL), RL = Report Limit, RL=100 mg/kg

Specimen description:

1. Transparent plastic

(To be continued)

TEST REPORT

Report No.: GN202002023

Page: 7 of 7

Photo of the submitted sample(s)



(End of report)