

Test Report

Applicant: Apple Rubber Products, Inc.
310 Erie Street, Lancaster,
NY 14086 USA

Number : TWNC00343879

Date : Dec 25, 2013

Sample Description:

One (1) group of submitted samples said to be :
Compound Number : 27BN7AP
Lot Number : PG-24094
Date Sample Received : Nov 21, 2013
Date Test Started : Nov 21, 2013

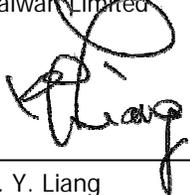
Test Conducted:

As requested by the applicant, for details please refer to attached pages.

Conclusion:

<u>Tested Samples</u>	<u>Standard</u>	<u>Result</u>
Submitted samples	With reference to test method of IEC 62321 edition 1.0:2008 chapter 6, screening by XRF spectroscopy for RoHS Directive (2011/65/EU)	Pass
	With reference to EN 14372: 2004 - Phthalate Content	See Test Conducted

Authorized by:
On Behalf of Intertek Testing Services
Taiwan Limited



K. Y. Liang
Director

THJ0343879 Page 1 of 9

Intertek Testing Services Taiwan Ltd.

8F., No. 423, Ruiguang Rd., Neihu District, Taipei 11492, Taiwan, R.O.C.

全國公證檢驗股份有限公司

11492 台北市內湖區瑞光路 423 號 8 樓

Tel: (+886-2) 6602-2888 • 2797-8885 Fax: (+886-2) 6602-2410



Test Report

Number : TWNC00343879

Test Conducted

XRF Screening Test

Contents of cadmium (Cd), lead (Pb), mercury (Hg), chromium (Cr) and bromine (Br) were measured by XRF spectroscopy. The further wet chemical tests will be conducted if necessary.

Test Result Summary:

<u>Screened Component</u>		<u>XRF Screen Test</u>		<u>Wet Chemical Test</u>
<u>No</u>	<u>Description</u>	<u>Element</u>	<u>Result (ppm)</u>	<u>Result (ppm)</u>
(1)	Black soft plastic	Cd	ND	Not Tested
		Pb	ND	
		Hg	ND	
		Cr	ND	
		Br	ND	

Remarks: ppm = Parts per million = mg/kg
ND = Not detected and pass, the screened sample is found to be under detection limit of table II.

Responsibility of Chemist: Kevin Liu

Date Sample Received : Nov 21, 2013
Test Period : Nov 21, 2013 to Nov 25, 2013

Table I: XRF screening limits in mg/kg for regulated elements in various materials.

<u>Element</u>	<u>Polymer Materials</u>	<u>Metallic Materials</u>	<u>Composite Materials</u>
Cd	BL ≤ 70 < X < 130 ≤ OL	BL ≤ 70 < X < 130 ≤ OL	BL ≤ 70 < X < 150 ≤ OL
Pb	BL ≤ 700 < X < 1300 ≤ OL	BL ≤ 700 < X < 1300 ≤ OL	BL ≤ 500 < X < 1500 ≤ OL
Hg	BL ≤ 700 < X < 1300 ≤ OL	BL ≤ 700 < X < 1300 ≤ OL	BL ≤ 500 < X < 1500 ≤ OL
Cr	BL ≤ 700 < X	BL ≤ 700 < X	BL ≤ 500 < X
Br	BL ≤ 300 < X	Not Applicable	BL ≤ 250 < X

Remarks: mg/kg = Milligram per kilogram = ppm
BL = Below Limit
X = Inconclusive result
OL = Over Limit

Test Report

Number : TWNC00343879

Test Conducted

Table II: Estimated detection limits in mg/kg for regulated elements in various matrices.

<u>Element</u>	<u>Polymer Materials</u>	<u>Metallic Materials</u>	<u>Composite Materials</u>
Cd	50	70	70
Pb	100	200	200
Hg	100	200	200
Cr	100	200	200
Br	200	Not Applicable	200

Disclaimers:

The numerical test data of this XRF screening report is for reference purposes only due to the data variation incurred from various factors as described in next paragraph. The applicant shall make its/his/her own judgment as to whether the information provided in this XRF screening report is sufficient for its/his/her purposes.

The results shown in this XRF screening report will differ based on various factors, including but not limited to, the sample size, thickness, area, surface flatness, equipment parameters and matrix effect (e.g. plastic, rubber, metal, glass, ceramic etc.). Further wet chemical pre-treatment with relevant chemical equipment analysis are required to obtain quantitative data.

RoHS Requirement:

<u>Restricted Substances</u>	<u>Limits</u>
Cadmium (Cd)	0.01% (100 ppm)
Lead (Pb)	0.1% (1000 ppm)
Mercury (Hg)	0.1% (1000 ppm)
Chromium (VI) (Cr ⁶⁺)	0.1% (1000 ppm)
Polybrominated Biphenyls (PBBs)	0.1% (1000 ppm)
Polybrominated Diphenyl Ethers (PBDEs)	0.1% (1000 ppm)

The above limits were quoted from Annex II of 2011/65/EU for homogeneous material.