

REPORT

Lab Numbers: (6217) 132-0234



REPORT

Lab Numbers: (6217) 132-0234



REPORT

Lab Numbers: (6217) 132-0234



REPORT

Lab Numbers: (6217) 132-0234



REPORT

Lab Numbers: (6217) 132-0234





TEST REPORT

TO: 磐昌股份有限公司

LAB NO.: (6217) 132-0234
 DATE IN: MAY 12, 2017
 DATE OUT: MAY 31, 2017
 MOD. DATE: -
 PAGE: 1 OF 4
 WORKING DAYS: 11

PURPOSE OF TEST: To evaluate the submitted sample in the test requested by the client only.

OVERALL RATING: PASS

SAMPLE DESCRIPTION:

Item Description:	自然食器 28CM SAUTE PAN (2PCS WITH PACKAGE)
Style No.:	-
P.O.No.:	-
Sources/Vendor:	-
Manufacturer:	-
Pre Testing For (Client Name):	-
Orig. Of Country:	TAIWAN
Size:	-
Color:	-

TEST RESULTS:

Evaluation	Citation/Method	Criteria	Results / Rating
Migration of heavy metals contents	Metals and alloys used in food contact materials and articles - a practical guide to manufacturers and regulators (2013, 1 st Edition)/ RZ/PH/2013-06790L SBA/mfs Strasbourg/ CPSD-AN-00715-MTHD	Articles shall not have heavy metals migration to test simulants exceed the limits (Recommended SRLs). Note: - Reference to image appendix for list of heavy metals and requirement.	M / PASS See Page 3,4

**Results Key:

M	Meets	NM	Does Not Meet
PASS	Pass	FAIL	Fail

Remark: BVCPS Contact information for this report.

Technical questions:

Primary Contact: Andy Lin, Tel: 886-2-2895-3666#280, email: andy.lin@tw.bureauveritas.com

Back-up Contact: Chad Hsieh, Tel: 886-2-2895-3666#302, email: chad.hsieh@tw.bureauveritas.com

Concerns regarding billing:

Primary Contact: Penny Wang, Tel: 886-2-2895-3666#307, email: penny.wang@tw.bureauveritas.com

Back-up Contact: Danny Lin, Tel: 886-2-2895-3666#305, email: danny-cy.lin@tw.bureauveritas.com

**BUREAU VERITAS CONSUMER PRODUCTS SERVICES (H.K.) LIMITED,
TAIWAN BRANCH**



**CHAD HSIEH
HARDLINE OPERATION MANAGER**

REMARKS:

1. This report is intended for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our written permission.
2. Our report is limited to the test samples identified herein. The results set forth in this report are not necessarily indicative or representative of the statistical quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted.
3. Our report includes all the tests requested by you and the results thereof. You shall have thirty days from receipt of this report to request additional testing of the samples or to notify us of any errors or omissions relating to our report; provided, however, such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

TEST RESULT:

EXTRACTABLE HEAVY METALS CONTENTS FOR METAL IN CONTACT WITH FOODSTUFFS

Test Condition: Artificial tap water: 100 °C, 1 hr

Parameter	Unit	Result			Seven Times of Maximum Specific Release Limit(s) (SRLs) ^[a, b]
		1			
		1st Migrate	2nd Migrate	Sum of 1st & 2nd Migrate ^[b]	
Food contact surface area	dm ²	7.03	7.03	-	-
Volume of simulant used	mL	1800	1800	-	-
Aluminum (Al)	mg/kg	<0.1	<0.1	<0.1	35
Antimony (Sb)	mg/kg	<0.004	<0.004	<0.004	1.4
Chromium (Cr)	mg/kg	<0.1	<0.1	<0.1	7
Cobalt (Co)	mg/kg	<0.005	<0.005	<0.005	0.07
Copper (Cu)	mg/kg	<0.5	<0.5	<0.5	28
Iron (Fe)	mg/kg	4.98	0.337	5.32	280
Manganese (Mn)	mg/kg	<0.1	<0.1	<0.1	12.6
Molybdenum (Mo)	mg/kg	0.018	<0.01	0.018	4.2
Nickel (Ni)	mg/kg	<0.02	<0.02	<0.02	4.9
Silver (Ag)	mg/kg	<0.01	<0.01	<0.01	0.56
Tin (Sn)	mg/kg	<5	<5	<5	700
Titanium (Ti)	mg/kg	<0.5	<0.5	<0.5	-
Vanadium (V)	mg/kg	<0.002	<0.002	<0.002	0.35
Zinc (Zn)	mg/kg	<1	<1	<1	35
Arsenic (As)	mg/kg	<0.001	<0.001	<0.001	0.07
Barium (Ba)	mg/kg	<0.1	<0.1	<0.1	8.4
Beryllium (Be)	mg/kg	<0.001	<0.001	<0.001	0.35
Cadmium (Cd)	mg/kg	<0.001	<0.001	<0.001	0.14
Lead (Pb)	mg/kg	<0.002	<0.002	<0.002	0.28
Lithium (Li)	mg/kg	<0.01	<0.01	<0.01	0.336
Mercury (Hg)	mg/kg	<0.0004	<0.0004	<0.0004	0.105
Thallium (Tl)	mg/kg	<0.00005	<0.00005	<0.00005	0.0035
Conclusion	-	-	-	PASS	-

Parameter	Unit	Result	Maximum Specific Release Limit(s) (SRLs) ^[a]
		1	
		3rd Migrate	
Food contact surface area	dm ²	7.03	-
Volume of simulant used	mL	1800	-
Aluminum (Al)	mg/kg	<0.1	5
Antimony (Sb)	mg/kg	<0.004	0.20
Chromium (Cr)	mg/kg	<0.1	1
Cobalt (Co)	mg/kg	<0.005	0.1
Copper (Cu)	mg/kg	<0.5	4
Iron (Fe)	mg/kg	1.72	40
Manganese (Mn)	mg/kg	<0.1	1.8
Molybdenum (Mo)	mg/kg	<0.01	0.6
Nickel (Ni)	mg/kg	<0.02	0.7
Silver (Ag)	mg/kg	<0.01	0.08
Tin (Sn)	mg/kg	<5	100
Titanium (Ti)	mg/kg	<0.5	-
Vanadium (V)	mg/kg	<0.002	0.05
Zinc (Zn)	mg/kg	<1	5
Arsenic (As)	mg/kg	<0.001	0.01
Barium (Ba)	mg/kg	<0.1	1.2
Beryllium (Be)	mg/kg	<0.001	0.05
Cadmium (Cd)	mg/kg	<0.001	0.02
Lead (Pb)	mg/kg	<0.002	0.04
Lithium (Li)	mg/kg	<0.01	0.048
Mercury (Hg)	mg/kg	<0.0004	0.015
Thallium (Tl)	mg/kg	<0.00005	0.0005
Conclusion	-	PASS	-

Test Item 1: Black metal (saute pan)

Note: “<” = less than
mg/dm² = milligram per square decimeter

Method: With reference to Metals and Alloys used in Food Contact Materials and articles - A Practical Guide to Manufacturers and Regulators (2013 1st Edition) published by European Directorate for the Quality of Medicines and HealthCare (EDQM), Chapter 3.

Remark: 1) ^[a] denotes as this (these) maximum specific release limit(s) was (were) referenced from Metals and Alloys used in Food Contact Materials and articles - A Practical Guide to Manufacturers and Regulators (2013 1st Edition) published by European Directorate for the Quality of Medicines and HealthCare (EDQM), Chapter 1, Article 4, Tables 1 and 2.
2) Appropriate test condition(s) was (were) selected according to Guidelines on Testing Conditions for Articles in Contact with Foodstuffs (With a Focus on Kitchenware) (2009 1st Edition) published by European Commission Joint Research Center (JRC).
3) Artificial tap water was prepared according to German Standard DIN 10531: 2011-06.
4) ^[b] denotes as the sum of the results of the first and second migrates should not be exceed seven times the SRL
5) Selected test was specified by client.