

Test Report

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FOLDNFOLD ENGINEERING
4FL., NO. 3, LANE 278, KANG-TING RD., TAIPEI, TAIWAN



The following sample(s) was/were submitted and identified by/on behalf of the client as :

Sample Description : FOFOCUP
 Style/Item No. : FOFOCUP 8oz/ 16oz/ 20oz
 Sample Material : PP (POLYPROPYLENE)
 Manufacturer/Vendor : FOLDNFOLD ENGINEERING
 Country of Origin : TAIWAN
 Sample Receiving Date : 2012/04/23
 Testing Period : 2012/04/23 TO 2012/05/03

Test Requested : (1) As specified by client, selected parts of the submitted sample(s) according to Article 4 of Sanitation Standard for Food Utensils, Containers and Packages (DOH Food No. 1001303928 was amended on 2012/01/18) were testing with the following items:

Material test : Lead 、 Cadmium.
 Migration test : Potassium permanganate consumption 、 Heavy metal (as Pb) 、 Evaporation residue 、 DEHP (Di- (2-ethylhexyl) phthalate) 、 DBP (Dibutyl phthalate).

(2) Migration test : Bisphenol A 、 DINP (Di-isononyl phthalate) 、 DIDP (Di-isodecyl phthalate) 、 BBP (Benzyl butyl phthalate) 、 DOP (Di-n-octyl phthalate).

Test Result(s) : Please refer to next page(s).

Conclusion : (1) Based upon the performed tests on submitted samples, the test results comply with the limits of requirements in Article 4 of Sanitation Standard for Food Utensils, Containers and Packages (DOH Food No. 1001303928 was amended on 2012/01/18).



James Lu / Supervisor
 Signed for and on behalf of
 SGS TAIWAN LTD.
 Chemical Laboratory – Taipei

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Test Result(s)

PART NAME No.1 : WHITE PLASTIC CUP (16oz)

(1)

PASS

Test Item (s)	Unit	Method	MDL	Result	Limit
				No.1	
Lead (Pb)	mg/kg	With reference to Sanitation Standard for Food Utensils, Containers and Packages-Plastics (DOH Food No. 1001902289 Amended and Appended, July 2011). Analysis was performance by ICP-AES.	5	n.d.	100
Cadmium (Cd)	mg/kg		0.5	n.d.	100
Potassium permanganate consumption-(water, 95°C, 30 min)	mg/L	With reference to Sanitation Standard for Food Utensils, Containers and Packages-Plastics (DOH Food No. 1001902289 Amended and Appended, July 2011).	3	n.d.	10
Heavy metal (as Pb)-(4% acetic acid, 95°C, 30 min)	mg/L		1	Negative	1
Evaporation residue-(water, 95°C, 30 min)	mg/L	With reference to Sanitation Standard for Food Utensils, Containers and Packages-Polypropylene(PP) (DOH Food No. 0939311138 Amended and Appended, May 2004).	10	n.d.	30
Evaporation residue-(4% acetic acid, 95°C, 30 min)	mg/L		10	11.0	30
Evaporation residue-(n-Heptane, 25°C, 1 hour)	mg/L		10	21.0	30
Evaporation residue-(20% alcohol, 60°C, 30 min)	mg/L		10	n.d.	30
DEHP (Di- (2-ethylhexyl) phthalate) (CAS No.: 117-81-7) (n-Heptane, 25°C, 1 hour)	ppm	With reference to Sanitation Standard for Food Utensils, Containers and Packages-Plastics (DOH Food No. 1001902289). Analysis was performed by GC/MS.	0.05	n.d.	1.5
DBP (Dibutyl phthalate) (CAS No.: 84-74-2) (n-Heptane, 25°C, 1 hour)	ppm		0.05	n.d.	0.3

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(2)

Test Item (s)	Unit	Method	MDL	Result	Limit
				No.1	
Bisphenol A -(water, 95°C, 30 min)	ppm	With reference to Sanitation Standard for Food Utensils, Containers and Packages-Polycarbonate (PC) (except Baby Bottles) (DOH Food No. 1001901969 announced, June 22, 2011). Analysis was performance by HPLC/FLD.	0.0005	n.d.	-
Bisphenol A - (4% acetic acid, 60°C, 30 min)	ppm		0.0005	n.d.	-
DINP (Di-isononyl phthalate) (CAS No.: 28553-12-0) (n-Heptane, 25°C, 1 hour)	ppm	With reference to Sanitation Standard for Food Utensils, Containers and Packages-Plastics (DOH Food No. 1001902289). Analysis was performed by GC/MS.	0.5	n.d.	-
DIDP (Di-isodecyl phthalate) (CAS No.: 26761-40-0) (n-Heptane, 25°C, 1 hour)	ppm		0.5	n.d.	-
BBP (Benzyl butyl phthalate) (CAS No.: 85-68-7) (n-Heptane, 25°C, 1 hour)	ppm		0.05	n.d.	-
DOP (Di-n-octyl phthalate) (CAS No.: 117-84-0) (n-Heptane, 25°C, 1 hour)	ppm		0.05	n.d.	-

Note :

- 0.1wt% = 1000ppm ; mg/kg = ppm ; mg/L = ppm
- MDL = Method Detection Limit
- n.d. = Not Detected
- " - " = Not Regulated
- Negative = Undetectable / Positive = Detectable

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* The tested sample / part is marked by an arrow if it's shown on the photo. *

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** End of Report **

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