



Chemical Laboratory-TCH.,SGS Taiwan Ltd.

## TEST REPORT

REPORT NO. WP/2013/70246B-1A-1

PAGE NO. 1 OF 4

DATE : 2013/09/27

SHEU HORM FOAM INDUSTRY CO.,LTD.

NO 79-16 CHING-KUANG ROAD WURH.TAICHUNG.TAIWAN

THE FOLLOWING MERCHANDISE WAS(WERE) SUBMITTED AND IDENTIFIED BY THE CLIENT AS :

### APPLICANT

SHEU HORM FOAM INDUSTRY CO.,LTD.

### SAMPLE DESCRIPTION

POLYURETHANES FOAM.

### SAMPLE MATERIAL

PU.

### TESTING PART

WHITE POLYURETHANES FOAM (POLYURETHANES FOAM).

### TESTING DATE

2013/07/25-2013/08/06.

### SAMPLE RECEIVED

2013/07/25.

### SAMPLE SUBMITTED BY

SHEU HORM FOAM INDUSTRY CO.,LTD.

### TEST RESULT:

TEST RESULT:

TEST ITEM(S)	UNIT	MDL	LOQ/LOD	METHOD	RESULT
MATERIAL TEST					
LEAD	ppm	5	---	WITH REFERENCE TO DOH FOOD NO. 1001902289 AMENDED AND APPENDED JULY 2011.ANALYSIS WAS PERFORMANCE BY ICP-AES.	n.d.
CADMIUM	ppm	0.5	---		n.d.
MATERIAL TEST:PLASTICIZER*					
DEHP(Di-(2-ethylhexyl)phthalate)(CAS No:117-81-7)	%	0.003	---	WITH REFERENCE TO CNS15138 METHOD.ANALYSIS WAS PERFORMED BY GC/MS.	n.d.
DBP(Di-n-butyl phthalate)(CAS No:84- 74-2)	%	0.003	---		n.d.
BBP( Butyl benzyl phthalate)(CAS No:85-68-7)	%	0.003	---		n.d.
DIDP(Di-isodecyl phthalate)(CAS No:26761-40-0)	%	0.01	---		n.d.
DINP(Di-isononyl phthalate)(CAS No:28553-12-0)	%	0.01	---		n.d.
DMP(Dimethyl phthalate)(CAS No:131- 11-3)	%	0.003	---		n.d.
DNOP(Di-n-octyl phthalate)(CAS No:117-84-0)	%	0.003	---		n.d.
DEP(Diethyl phthalate)(CAS No:84-66-2)	%	0.003	---		n.d.

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SGS Taiwan Ltd.  
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Member of SGS Group

TWA8829422

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TEST ITEM(S)	UNIT	MDL	LOQ/LOD	METHOD	RESULT
MATERIAL TEST					
STYRENE	ppm	25	---	WITH REFERENCE TO DOH FOOD NO. 0939311138 AMENDED AND APPENDED ,MAY 2004	n.d.
TOLUENE	ppm	25	---	WITH REFERENCE TO DOH FOOD NO. 0939311138 AMENDED AND APPENDED ,MAY 2004	n.d.
ETHYLBENZENE	ppm	25	---	WITH REFERENCE TO DOH FOOD NO. 0939311138 AMENDED AND APPENDED ,MAY 2004	n.d.
N-PROPYLBENZENE	ppm	25	---	WITH REFERENCE TO DOH FOOD NO. 0939311138 AMENDED AND APPENDED ,MAY 2004	n.d.
ISOPROPYLBENZENE	ppm	25	---	WITH REFERENCE TO DOH FOOD NO. 0939311138 AMENDED AND APPENDED ,MAY 2004	n.d.
SUM OF STYRENE,TOLUENE,ETHYLBENZENE,N-PROPYLBENZENE AND ISOPROPYLBENZENE	ppm	---	---	WITH REFERENCE TO DOH FOOD NO. 0939311138 AMENDED AND APPENDED ,MAY 2004	n.d.
MIGRATION TEST					
POTASSIUM PERMANGANATE(DISTILLED WATER 60°C,30MIN)	ppm	---	---	WITH REFERENCE TO DOH FOOD NO. 0939311138 AMENDED AND APPENDED ,MAY 2004	3.4
HEAVY METAL (AS LEAD) (4%ACETIC ACID SOLUTION 60°C,30MIN)	ppm	---	---		<1.0
RESIDUE OF EVAPORATION(DISTILLED WATER 60°C,30MIN)	ppm	---	---		5.5
MIGRATION TEST:PLASTICIZER*					
DEHP(Di-(2-ethylhexyl)phthalate)(CAS No:117-81-7)(n-Heptane,25°C , 1hour)	ppm	0.05	---	WITH REFERENCE TO SANITATION STANDARD FOR FOOD UTENSILS,CONTAINERS AND PACKAGES-PLASTICS(DOH FOOD NO.1001902289).ANALYSIS WAS PERFORMED BY GC/MS.	n.d.
DBP(Di-n-butyl phthalate)(CAS No:84-74-2)(n-Heptane,25°C , 1hour)	ppm	0.05	---		n.d.
DINP(Di-isononyl phthalate)(CAS No:28553-12-0)(n-Heptane,25°C , 1hour)	ppm	0.5	---		n.d.
DIDP(Di-isodecyl phthalate)(CAS No:26761-40-0)(n-Heptane,25°C , 1hour)	ppm	0.5	---		n.d.
BBP( Butyl benzyl phthalate)(CAS No:85-68-7)(n-Heptane,25°C , 1hour)	ppm	0.05	---		n.d.
DEHA(Di-2-ethylhexyl adipate)(DOA)(CAS No.:103-23-1)(n-Heptane,25°C , 1hour)	ppm	0.05	---		n.d.

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## TEST REPORT

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DATE : 2013/09/27

TEST ITEM(S)	UNIT	MDL	LOQ/LOD	METHOD	RESULT
DENSITY	kg/m <sup>3</sup>	---	---	CNS10487(1988)	16
TENSILE STRENGTH	kgf/cm <sup>2</sup>	---	---	CNS10487(1988)	0.73
ELONGATION	%	---	---	CNS10487(1988)	75
COMPRESSION SET	%	---	---	CNS10487(1988)	0.9
TEAR STRENGTH	kgf/cm	---	---	Ref. to CNS3559(2007)	0.41
TOTAL AEROBIC PLATE COUNT	CFU/g	---	10	Ref.to CNS10890(98/01/17 Revised Ed.)	2.5×10 <sup>1</sup>
ESCHERICHIA COLI	MPN/g	---	---	Ref.to CNS10951(99/12/21 Revised Ed.)	NEGATIVE
COLIFORM	MPN/g	---	---	Ref.to CNS10984(87/09/29 Revised Ed.)	0.00
SALMONELLA	---	---	---	Ref.to CNS10952(99/12/21 Revised Ed.)	NEGATIVE
MOLD	CFU/g	---	10	Ref.to CNS12925(80/10/18 Publish.)	N.D.

NOTE 1: MDL=method Detection Limit.

2: n.d.= not detected-means the test results is lower than detection limit value.

3:N.D. ,NEGATIVE means the test results is lower than Limit of Quantification(LOQ)/Limit of Detection(LOD) value.

4:This is the additional test report of WP/2013/70246B-1 which was issued on 2013/08/07.please refer to WP/2013/70246B-1 for original information.

5:\*\*\*SGS Chemical Laboratory-Taipei is commissioned by plasticizer to do the analysis.(No. 33 Wu Chyuan Road, Wuku Industrial Zone, Wu Ku District, New Taipei City TW -24886 – Taipei)

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



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