



Test Report

No. VNHL1712015079HG

Date: January 02, 2018

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**JOYGROUP INVESTMENTS LIMITED
FACTORY: JOYFUL CO., LTD**

ROAD 5, TAM PHUOC INDUSTRIAL ZONE, TAM PHUOC COMMUNE, BIEN HOA CITY, DONG NAI PROVINCE, VIETNAM

This report is duplicated from VNHL1712014288HG date December 19 with different client's information

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

SGS Job No. : VNHL1712015079HG

Sample Description : GREEN DECORATIVE PVC (FOIL, SHEET & EDGING)

Sample Receiving Date : DECEMBER 13, 2017

Final confirmed Date : DECEMBER 14, 2017

Testing Period : DECEMBER 14, 2017 TO DECEMBER 19, 2017

Test Requested : PLEASE REFER TO THE RESULT SUMMARY.

Test Results : PLEASE REFER TO NEXT PAGE(S).

Result Summary :

Test Requested	Conclusion
Phthalates (17P)	Pass/See Results

Signed for and on behalf of

SGS Vietnam LTD



Wong Cho Wing

Hardline and E&E Lab Manager

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Test results:

Sample description: 1. PVC

Phthalates

Test Method: With Reference to BS EN 14372: 2004. Analysis was conducted by GC-MS.

Phthalates	CAS No.	Unit	Result	MDL	Conforama's requirement
			1		
Dibutyl phthalate (DBP)	84-74-2	%	ND	0.003	<0.1
Diisobutyl phthalate (DiBP)	84-69-5	%	ND	0.003	<0.1
Benzyl butyl phthalate (BBP)	85-68-7	%	ND	0.003	<0.1
Di(2-ethylhexyl) phthalate (DEHP)	117-81-7	%	ND	0.003	<0.1
Diisononyl phthalate (DINP)	28553-12-0	%	ND	0.01	<0.1
Diisodecyl phthalate(DIDP)	26761-40-0	%	ND	0.01	<0.1
Di-n-octyl phthalate(DNOP)	117-84-0	%	ND	0.003	<0.1
Bis-methylglycol phthalate(DMEP)	117-82-8	%	ND	0.003	<0.1
Bis-hexyl phthalate(DnHP)	84-75-3	%	ND	0.003	<0.1
Diisoheptyl phthalate(DIHP)	71888-89-6	%	ND	0.01	<0.1
Di-n-pentylphthalate (DnPP)	131-18-0	%	ND	0.003	<0.1
Diisopentylphthalate (DiPP)	605-50-5	%	ND	0.003	<0.1
1,2-Benzenedicarboxylic acid, di-C _{7,11} -branched and linear alkyl esters(DHNUP)	68515-42-4	%	ND	0.003	<0.1
N-pentyl-isopentylphthalate (iPnPP)	776297-69-9	%	ND	0.003	<0.1
1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear (bis-C5-alkyl-(linear and branched) phthalate) (DPP)	84777-06-0	%	ND	0.003	<0.1
1,2-Benzenedicarboxylic acid dihexyl ester, branched and linear	68515-50-4	%	ND	0.003	<0.1
Di(C6-C10)alkyl phthalate	68515-51-5 68648-93-1	%	ND	0.003	<0.1
Conclusion	--	--	PASS	--	--

Note :

1. % = percentage by weight
2. ND = not detected
3. ppm = mg/kg, 0.1wt% = 1000ppm
4. MDL= Method Detection Limit

Remarks: All above tests were accredited ISO 17025:2005 by VILAS
All above tests were performed in SGS Viet Nam's s Chemical Lab.

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PHOTO OF SUBMITTED SAMPLE FOR TESTING



REPORT RESULTS REFER TO SUBMITTED SAMPLE (S) ONLY

***** End of Report *****

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