

## Test Report

No. : CT/2017/60084

Date : 2017/06/27

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NAN YA PLASTICS CORPORATION  
NO. 102, NANLIN RD., TAISHAN DIST., NEW TAIPEI CITY, TAIWAN



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

Sample Submitted By : NAN YA PLASTICS CORPORATION  
Sample Description : NAN YA PVC FOOD GRADE FILM  
Sample Material : PVC  
Manufacturer/Vendor : NAN YA PLASTICS CORPORATION  
Country of Origin : TAIWAN  
Sample Receiving Date : 2017/06/02  
Testing Period : 2017/06/02 TO 2017/06/27

=====  
**Test Requested** : As specified by client, with reference to Sanitation Standard for Food Utensils, Containers and Packages (MOHW Food No. 1021350146 was amended on 2013/08/20) to conduct test. Please refer to result table for testing item(s).

**Test Result(s)** : Please refer to following pages.

  
Singh Hsiao / Supervisor  
Signed for and on behalf of  
SGS TAIWAN LTD.  
Chemical Laboratory - Taipei



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## Test Result(s)

PART NAME No.1 : TRANSPARENT PLASTIC FILM

Test Item (s)	Unit	Method	LOQ	Result	Limit
				No.1	
Lead (Pb)	ppm	According to Sanitation Standard for Food Utensils, Containers and Packages - Polyvinylchlorid (PVC) (MOHW Food No. 1021950803 announced, October 31, 2013). Analysis was performance by ICP - AES.	5	n.d.	100
Cadmium (Cd)	ppm		0.5	n.d.	100
Vinyl chloride monomer	ppm	According to Sanitation Standard for Food Utensils, Containers and Packages - Polyvinylchlorid (PVC) (MOHW Food No. 1021950803 announced, October 31, 2013).	0.2	n.d.	1
Cresyl phosphate	ppm		50	n.d.	1000
Dibutyltin (as dibutyltin dichloride)	ppm		0.5	n.d.	50
Potassium permanganate consumption-(water, 95°C, 30 min)	ppm		3	n.d.	10
Evaporation residue-(water, 95°C, 30 min)	ppm		10	n.d.	30
Evaporation residue-(4% acetic acid, 95°C, 30 min)	ppm		10	n.d.	30
Evaporation residue-(n-Heptane, 25°C, 1 hr)	ppm		10	57.0	150
Evaporation residue-(20% alcohol, 60°C, 30 min)	ppm		10	n.d.	30
DEHP (Di-(2-ethylhexyl) phthalate) (CAS No.: 117-81-7) (n-Heptane, 25°C, 1 hr)	ppm	According to Sanitation Standard for Food Utensils, Containers and Packages - Plastics (MOHW Food No. 1021950607 announced, November 13, 2013). Analysis was performed by GC/MS.	0.05	n.d.	1.5
DBP (Di-n-butyl phthalate) (CAS No.: 84-74-2) (n-Heptane, 25°C, 1 hr)	ppm		0.05	n.d.	0.3
BBP (Butyl Benzyl phthalate) (CAS No.: 85-68-7) (n-Heptane, 25°C, 1 hr)	ppm		0.05	n.d.	30
DIDP (Diisodecyl phthalate) (CAS No.: 26761-40-0; 68515-49-1) (n-Heptane, 25°C, 1 hr)	ppm		0.5	n.d.	9

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Test Item (s)	Unit	Method	LOQ	Result	Limit
				No.1	
DINP (Diisononyl phthalate) (CAS No.: 28553-12-0; 68515-48-0) (n-Heptane, 25°C, 1 hr)	ppm	According to Sanitation Standard for Food Utensils, Containers and Packages - Plastics (MOHW Food No. 1021950607 announced, November 13, 2013). Analysis was performed by GC/MS.	0.5	n.d.	9
DEHA (Di-2-ethylhexyl Adipate) (CAS No.: 103-23-1) (n-Heptane, 25°C, 1 hr)	ppm		0.05	n.d.	18

Test Item (s)	Unit	Method	DL	Result	Limit
				No.1	
Heavy metal (as Pb)-(4% acetic acid, 95°C, 30 min)	ppm	According to Sanitation Standard for Food Utensils, Containers and Packages - Polyvinylchlorid (PVC) (MOHW Food No. 1021950803 announced, October 31, 2013).	1	Negative	1

Test Item (s)	Unit	Method	MDL	Result	Limit
				No.1	
BBP (Butyl Benzyl phthalate) (CAS No.: 85-68-7)	%	According to CNS 15138 - 1 (2012). Analysis was performed by GC/MS.	0.003	n.d.	0.1 (Total)
DBP (Di-n-butyl phthalate) (CAS No.: 84-74-2)	%		0.003	n.d.	
DEHP (Di-(2-ethylhexyl) phthalate) (CAS No.: 117-81-7)	%		0.003	n.d.	
DEP (Diethyl phthalate) (CAS No.: 84-66-2)	%		0.003	n.d.	
DIDP (Diisodecyl phthalate) (CAS No.: 26761-40-0; 68515-49-1)	%		0.01	n.d.	
DINP (Diisononyl phthalate) (CAS No.: 28553-12-0; 68515-48-0)	%		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.	

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### Note :

1. 0.1wt% = 1000ppm
2. LOQ = Limit of Quantification ; MDL = Method Detection Limit ; DL = Method Detection Limit
3. n.d. = Not Detected = less than LOQ / MDL / DL
4. Negative = Undetectable / Positive = Detectable
5. The test report is the test result issued by the testing institutions as requested by the consignor. Regarding to the legitimacy of the product, it shall be determined by the authorities according to the law.

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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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