

號碼(No.): HY/2020/60054

日期(Date): 2020/06/24

頁數 (Page): 1 of 6

Test Report

南亞塑膠工業股份有限公司 (硬布一廠)

NAN YA PLASTICS CORPORATION (RIGID FILM 1ST PLANT)

嘉義縣新港鄉中洋村中洋工業區2號

NO. 2, CHUNGYANG INDUSTRIAL PARK, HSINKANG VILLAGE, CHIAYI COUNTY, TAIWAN

以下測試樣品係由申請廠商所提供及確認 (The following sample(s) was/were submitted and identified by/on behalf of the applicant as):

送樣廠商(Sample Submitted By) : 南亞塑膠工業股份有限公司 (硬布一廠) (NAN YA PLASTICS CORPORATION (RIGID

FILM 1ST PLANT))

: CLEAR METALLIZED AND COATING PET FILM (南亞透明蒸著聚酯膜) 樣品名稱(Sample Description)

樣品型號(Style/Item No.) 2TMF***(2TMFECH) 收件日期(Sample Receiving Date) : 2020/06/16

2020/06/16 TO 2020/06/24

測試期間(Testing Period)

依據客戶要求, 參考Chapter 173-334 WAC, Chapter 70.240 RCW華盛頓洲兒童安全產品法 測試需求(Test Requested):

案 (CSPA)測試85項之CHCC, 其被視為污染物. (As requested by client, the test is

performed according to:

85 items of Chemicals of High Concern to Children (CHCC) as contaminants in

Chapter 173-334 WAC, Chapter 70.240 RCW of Children's Safe Product Act

(Washington-CSPA).)

測試結果(Test Results) 請參閱下一頁 (Please refer to following pages).

結論(Conclusion) 依據指定規範及分析技術, 樣品中之測試結果<100ppm. (According to the specified

scope and analytical techniques, the test results are < 100ppm in the submitted

sample(s).)

Troy Chang / Manager -Signed for and behalf of SĞS TAIWAN LTD. Chemical Laboratory - Taipei

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NO. 2, CHUNGYANG INDUSTRIAL PARK, HSINKANG VILLAGE, CHIAYI COUNTY, TAIWAN

測試結果(Test Results)

測試部位(PART NAME)No.1 : 透明塑膠膜(TRANSPARENT PLASTIC FILM)

测試方法(Method):

參照SGS內部方法RSTS-EE-CHCC-001, 以高效液相層析儀/二極體陣列偵測器、超高效能液相層析 儀/二極體陣列偵測器、液相層析/質譜儀、氣相層析/質譜儀、感應耦合電漿原子發射光譜儀、超 高效能液相層析串聯質譜儀進行分析。/ SGS In-House method-RSTS-EE-CHCC-001, analyzed by HPLC/DAD, UPLC/DAD, LC/MS, GC/MS, ICP-AES, UPLC-MSMS.

測試項目 (Test Items)	單位 (Unit)	RL	結果 (Result) No.1
甲醛 / Formaldehyde (CAS No.: 50-00-0)	mg/kg	50	n. d.
苯胺 / Aniline (CAS No.: 62-53-3)	mg/kg	50	n. d.
乙醛 / Acetaldehyde (CAS No.: 75-07-0)	mg/kg	50	n. d.
2-氨基甲苯 / 2-Aminotoluene (CAS No.: 95-53-4)	mg/kg	50	n. d.
2,4-二氨基甲苯 / 2,4-Diaminotoluene (CAS No.: 95-80-7)	mg/kg	50	n. d.
4-氯苯胺 / para-Chloroaniline (CAS No.: 106-47-8)	mg/kg	50	n. d.
3,3'-二甲基聯苯胺 / 3,3'-DIMETHYLBENZIDINE (CAS No.: 119-93-7)	mg/kg	50	n. d.
苯 / Benzene (CAS No.: 71-43-2)	mg/kg	50	n. d.
氯乙烯 / Vinyl chloride (CAS No.: 75-01-4)	mg/kg	50	n. d.
1,1,2,2-四氯乙烷 / 1,1,2,2-Tetrachloroethane (CAS No.: 79-34-5)	mg/kg	50	n. d.
乙苯 / Ethylbenzene (CAS No.: 100-41-4)	mg/kg	50	n. d.
乙二醇 / Ethylene glycol (EG)	mg/kg	50	n. d.
甲苯 / Toluene (CAS No.: 108-88-3)	mg/kg	50	n. d.
苯乙烯 / Styrene (CAS No.: 100-42-5)	mg/kg	50	n. d.
二氯甲烷 / Dichloromethane (CAS No.: 75-09-2)	mg/kg	50	n. d.
二硫化碳 / Carbon disulfide (CAS No.: 75-15-0)	mg/kg	50	n. d.
丁酮 / MEK (2-Butanone) (CAS No.: 78-93-3)	mg/kg	50	n. d.
丙烯腈 / Acrylonitrile (CAS No.: 107-13-1)	mg/kg	50	n. d.
1,4-二氧陸園 / 1,4-Dioxane (CAS No.: 123-91-1)	mg/kg	50	n. d.
對羥苯甲酸丙酯 / Propyl paraben (CAS No.: 94-13-3)	mg/kg	50	n. d.
對羥基苯甲酸丁酯 / Butyl paraben (CAS No.: 94-26-8)	mg/kg	50	n. d.
對羥苯甲酸甲酯 / Methyl paraben (CAS No.: 99-76-3)	mg/kg	50	n. d.
對羥基苯甲酸 / p-Hydroxybenzoic acid (CAS No.: 99-96-7)	mg/kg	50	n. d.

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南亞塑膠工業股份有限公司 (硬布一廠) NAN YA PLASTICS CORPORATION (RIGID FILM 1ST PLANT) 嘉義縣新港鄉中洋村中洋工業區2號

NO. 2, CHUNGYANG INDUSTRIAL PARK, HSINKANG VILLAGE, CHIAYI COUNTY, TAIWAN

測試項目 (Test Items)	單位 (Unit)	RL	結果 (Result) No.1
對羥苯甲酸乙酯 / Ethyl paraben (CAS No.: 120-47-8)	mg/kg	50	n. d.
2, 2', 4, 4'-四羥基二苯甲酮 / Benzophenone-2 (Bp-2); 2, 2', 4, 4'- Tetrahydroxybenzophenone (CAS No.: 131-55-5)	mg/kg	50	n. d.
2-乙基己酸 / 2-ethyl hexanoic acid (CAS No.: 149-57-5)	mg/kg	50	n. d.
2-乙基已基對甲氧基肉桂酸酯 / 2-Ethyl-hexyl-4-methoxycinnamate (CAS No.: 5466-77-3)	mg/kg	50	n. d.
绨 / Antimony (Sb)	mg/kg	50	87. 9
砷 / Arsenic (As)	mg/kg	50	n. d.
鎬 / Cadmium (Cd)	mg/kg	50	n. d.
銛 / Cobalt (Co)	mg/kg	50	n. d.
汞 / Mercury (Hg)	mg/kg	50	n. d.
全氟辛烷磺酸 / Perfluorooctane sulfonates (PFOS-Acid, Metal Salt, Amide)	mg/kg	50	n. d.
4-正壬基酚 / 4-Nonylphenol; 4-NP (CAS No.: 104-40-5)	mg/kg	50	n. d.
壬基苯酚 / Nonyl phenol (CAS No.: 25154-52-3) (**2)	mg/kg	50	n. d.
4-壬基苯酚支鏈 / 4-Nonyl phenol branched (CAS No.: 84852-15-3) (**2)	mg/kg	50	n. d.
4-辛基酚 / 4-octyl-Phenol (CAS No.: 1806-26-4)	mg/kg	50	n. d.
對特辛基苯酚 / 辛基酚 / 4-(1,1,3,3-tetramethylbutyl) phenol, (4-tert- Octylphenol) (CAS No.: 140-66-9)	mg/kg	50	n. d.
丁基羥基茴香醚 / Butylated hydroxyanisole (BHA) (CAS No.: 25013-16-5)	mg/kg	50	n. d.
十溴聯苯醚 / 2,2',3,3',4,4',5,5',6,6'-Decabromodiphenyl ether (CAS No.: 1163-19-5)	mg/kg	50	n. d.
磷酸三(2-氯乙基)酯 / Tris (2-chloroethyl) phosphate (TCEP) (CAS No.: 115-96-8)	mg/kg	50	n. d.
磷酸三(1,3-二氯-2-丙基)酯 / Tris(1,3-dichloro-2-propyl) phosphate (TDCPP) (CAS No.: 13674-87-8)	mg/kg	50	n. d.
N-nitrosodimethylamine (CAS No.: 62-75-9)	mg/kg	50	n. d.
N-nitrosodiphenylamine (CAS No.: 86-30-6)	mg/kg	50	n. d.
雙酚 A / Bisphenol A (CAS No.: 80-05-7)	mg/kg	50	n. d.
四溴雙酚-A / Tetrabromobisphenol A (TBBP-A) (CAS No.: 79-94-7)	mg/kg	50	n. d.
六氯-1,3-丁二烯 / Hexachlorobutadiene (CAS No.: 87-68-3)	mg/kg	50	n. d.
六氯苯 / Hexachlorobenzene (CAS No.: 118-74-1)	mg/kg	50	n. d.

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南亞塑膠工業股份有限公司 (硬布一廠) NAN YA PLASTICS CORPORATION (RIGID FILM 1ST PLANT) 嘉義縣新港鄉中洋村中洋工業區2號

NO. 2, CHUNGYANG INDUSTRIAL PARK, HSINKANG VILLAGE, CHIAYI COUNTY, TAIWAN

測試項目 (Test Items)	單位 (Unit)	RL	結果 (Result) No.1
1-甲氧代-4-(2-丙烯基)苯 / Estragole (CAS No.: 140-67-0)	mg/kg	50	n. d.
五氯苯 / Pentachlorobenzene (CAS No.: 608-93-5)	mg/kg	50	n. d.
溶劑黃14 / C.I. Solvent Yellow 14 (CAS No.: 842-07-9)	mg/kg	50	n. d.
N-甲基吡咯烷酮 / N-Methylpyrrolidone (CAS No.: 872-50-4)	mg/kg	50	n. d.
2-甲氧基乙醇 / 2-Methoxyethanol (CAS No.: 109-86-4)	mg/kg	50	n. d.
乙二醇乙醚 / Ethylene glycol monoethyl ether (CAS No.: 110-80-5)	mg/kg	50	n. d.
雙酚 S / Bisphenol S (BPS) (CAS No.: 80-09-1)	mg/kg	50	n. d.
雙酚 F / Bisphenol F (BPF) (CAS No.: 620-92-8)	mg/kg	50	n. d.
鄰苯二甲酸二環己酯 / DCHP (Di-cyclohexyl phthalate) (CAS No.: 84-61-7)	mg/kg	50	n. d.
鄰苯二甲酸二異丁酯 / DIBP (Di-isobutyl phthalate) (CAS No.: 84-69-5)	mg/kg	50	n. d.
鄰苯二甲酸二 (2-甲氧基乙基)酯 / DMEP (Bis (2-methoxyethyl) phthalate) (CAS No.: 117-82-8)	mg/kg	50	n. d.
四氯乙烯 / Tetrachloroethylene (CAS No.: 127-18-4)	mg/kg	50	n. d.
鄰苯二甲酸二戊酯 / DNPP (Di-n-pentyl phthalate) (CAS No.: 131-18-0)	mg/kg	50	n. d.
磷酸三甲苯酯 / TCP (Tricresyl phosphate and isomers) (CAS No.: 1330-78-5)	mg/kg	50	n. d.
磷酸三苯酯 / TPP (Triphenyl phosphate) (CAS No.: 115-86-6)	mg/kg	50	n. d.
三(2,3-二溴丙基)磷酸酯 / Tris-(2,3-dibromopropyl)phosphate (TDBPP) (CAS No.: 126-72-7)	mg/kg	50	n. d.
磷酸三丁酯 / TBP (Tributyl phosphate) (CAS No.: 126-73-8)	mg/kg	50	n. d.
磷酸三(1-氯-2-丙基)酯 / Tris(1-chloro-2-propyl) phosphate (TCPP) (CAS No.: 13674-84-5)	mg/kg	50	n. d.
2,2-雙氯甲基-三亞甲基-雙[雙(2-氯乙基)磷酸酯] / 2,2-bis(chloromethy1) trimethylene bis(bis(2-chloroethy1) phosphate) (V6) (CAS No.: 38051-10-4)	mg/kg	50	n. d.
2-乙基己基二苯基磷酸酯 / 2-ethylhexyl diphenyl phosphate (CAS No.: 1241-94-7)	mg/kg	50	n. d.
異丙基化磷酸三苯酯 / Isopropylated triphenyl phosphate (CAS No.: 68937-41-7)	mg/kg	50	n. d.
全氟辛酸 / PFOA (CAS No.: 335-67-1)	mg/kg	50	n. d.
四溴鄰苯二甲酸二(2-乙基己基)酯 / bis(2-ethylhexyl)-2,3,4,5-tetrabromophthalate (TBPH) (CAS No.: 26040-51-7)	mg/kg	50	n. d.
十溴聯苯乙烷 / Decabromodiphenyl ethane (DBDPE) (CAS No.: 84852-53-9)	mg/kg	50	n. d.

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嘉義縣新港鄉中洋村中洋工業區2號

NO. 2, CHUNGYANG INDUSTRIAL PARK, HSINKANG VILLAGE, CHIAYI COUNTY, TAIWAN

測試項目 (Test Items)	單位 (Unit)	RL	結果 (Result) No.1
短鏈氯化石蠟 / Short-chain chlorinated paraffins (SCCP) (CAS No.: 85535-84-8) (**1)	mg/kg	50	n. d.
氯化石蠟 / Chlorinated paraffins (CAS No.: 108171-26-2) (**1)	mg/kg	50	n. d.
四溴苯甲酸-2-乙基己酯 / 2-ethylhexyl tetrabromobenzoate (TBB) (CAS No.: 183658-27-7)	mg/kg	50	n. d.
酚 / Pheno1 (CAS No.: 108-95-2)	mg/kg	50	n. d.
六溴環十二烷 / Hexabromocyclododecane (HBCDD) (CAS No.: 25637-99-4)	mg/kg	50	n. d.
鄰苯二甲酸二乙酯 / DEP (Di-ethyl phthalate) (CAS No.: 84-66-2)	%	0.005	n. d.
鄰苯二甲酸二丁酯 / DBP (Dibutyl phthalate) (CAS No.: 84-74-2)	%	0.005	n. d.
鄰苯二甲酸二己酯 / DNHP (Di-n-hexyl phthalate) (CAS No.: 84-75-3)	%	0.005	n. d.
鄰苯二甲酸甲苯基丁酯 / BBP (Benzyl butyl phthalate) (CAS No.: 85-68-7)	%	0.005	n. d.
鄰苯二甲酸二 (2-乙基己基)酯 / DEHP (Di- (2-ethylhexyl) phthalate) (CAS No.:	%	0.005	n. d.
117-81-7)			
鄰苯二甲酸二正辛酯 / DNOP (Di-n-octyl phthalate) (CAS No.: 117-84-0)	%	0.005	n. d.
鄰苯二甲酸二異癸酯 / DIDP (Di-isodecyl phthalate) (CAS No.: 26761-40-0)	%	0.005	n. d.
鄰苯二甲酸二異壬酯 / DINP (Di-isononyl phthalate) (CAS No.: 28553-12-0)	%	0.005	n. d.

備註(Note):

- 1. mg/kg = ppm ; 0.1wt% = 1000ppm
- 2. RL = Reporting Limit (報告極限值)
- 3. n.d. = Not Detected = below RL (未檢出 / 低於RL)
- 4. (**1): 短鏈氯化石蠟(SCCP)(CAS No. 85535-84-8)和氯化石蠟 (C10-C12) (CAS No. 108171-26-2)視為相同測試項目。 / Short-chain chlorinated paraffins (SCCP) (CAS No. 85535-84-8) and Chlorinated paraffins (C10-C12) (CAS No. 108171-26-2) are considered the same testing item.
- 5. (**2): 4-壬基苯酚 (CAS No. 104-40-5), 壬基苯酚(CAS No. 25154-52-3) and 4-壬基苯酚支鏈 (CAS No. 84852-15-3) 視為相同測試項目。/ 4-Nony1pheno1 (CAS No. 104-40-5), Nony1pheno1 (CAS No. 25154-52-3) and 4-Nonylphenol branched (CAS No. 84852-15-3) are considered the same testing item.
- 6. 本報告不得分離,分離使用無效。

(The content of this report is invalid if it is not presented as the entire report.)

7. 本測試係由台灣檢驗科技股份有限公司化學實驗室-台北進行分析。 (The test was conducted at SGS Taiwan Ltd. Chemical Laboratory-Taipei.)

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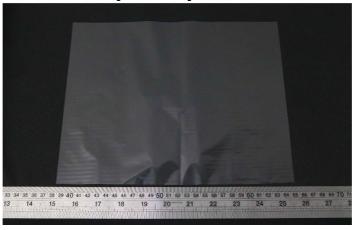
Remark:

- A. 依照RCW 70.240.0402的要求,"通知"必須每年提報給主管部門當以下情況發生: / The notice required by RCW 70.240.040 must be filed annually with the department in accordance with the following:
 - (a) CHCC 清單上的任何一物質被刻意添加,以致產品零部件中的CHCC物質濃度大於PQL時。/ Each chemical on the CHCC list that is an intentionally added chemical present in a product component must be reported at any concentration above the PQL.
 - (b) CHCC 清單上的任何一物質,因為汙染以致產品零部件中的CHCC物質濃度大於100 ppm時。/ Each chemical on the CHCC list that is a contaminant present in a product component must be reported at any concentration above 100 ppm.
- B. CHCC 的化學分析執行是依照目前可以獲得的分析技術。/ The chemical analysis of CHCC is performed by means of currently available analytical techniques.
- C. CHCC 清單是參考2017年9月29日所公佈版本,因此報告也是根據此所制定,未來清單可能會改變。/ CHCC List as of September 29, 2017 is referenced at the time the report is prepared, the list may subject to change in the future (Reporting List of CHCC)

http://www.ecy.wa.gov/programs/hwtr/RTT/cspa/chcc.html

* 照片中如有箭頭標示,則表示為實際檢測之樣品/部位. * (The tested sample / part is marked by an arrow if it's shown on the photo.)

HY/2020/60054



** 報告結尾 (End of Report) **

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