

Test Report

號碼(No.): ETR25704325 日期(Date): 30-Jul-2025 頁數(Page): 1 of 9

中華紙漿股份有限公司 (CHUNG HWA PULP CORPORATION)

台北市中正區重慶南路三段51號12樓 (12F., NO. 51, SEC. 2, CHUNGCHING S. RD., ZHONGZHENG DISTRICT, TAIPEI CITY 100, TAIWAN, R. O. C.)

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 the applicant as):

送樣廠商(Sample Submitted By) : 中華紙漿股份有限公司 (CHUNG HWA PULP CORPORATION)

樣品名稱(Sample Name) : INTERLEAVING PAPER (豐光紙)

收件日(Sample Receiving Date) : 23-Jul-2025

測試期間(Testing Period) : 23-Jul-2025 to 30-Jul-2025

測試需求(Test Requested) : 依據客戶要求進行測試,測試項目請參閱測試結果表格。 (Testing item(s) is/are

specified by client. Please refer to result table for testing item(s).)

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

Troy Chang / Department Malager
Signed for and on behalf of SGS TAIWAN LTD.
Chemical Laboratory - Taipei



PIN CODE: 85AF9D44



Test Report

號碼(No.): ETR25704325 日期(Date): 30-Jul-2025 頁數(Page): 2 of 9

中華紙漿股份有限公司 (CHUNG HWA PULP CORPORATION)

台北市中正區重慶南路二段51號12樓 (12F., NO. 51, SEC. 2, CHUNGCHING S. RD., ZHONGZHENG DISTRICT, TAIPEI CITY 100, TAIWAN, R. O. C.)

測試部位敘述 (Test Part Description)

No.1 : 白色紙 (WHITE PAPER)

測試結果 (Test Results)

測試項目	測試方法	單位	MDL	結果
(Test Items)	(Method)	(Unit)		(Result)
				No.1
	參考CEN/TS 15968: 2010 · 以液相層析串聯 質譜儀分析。(With reference to CEN/TS 15968: 2010, analysis was performed by LC/MS/MS.)	mg/kg	0.01	n.d.
全氟辛酸及其鹽類 (PFOA and its salts) (Perfluorooctanoic acid and its salts (PFOA and its salts)) (CAS No.: 335-67-1 and its salts)	參考CEN/TS 15968: 2010 · 以液相層析串聯 質譜儀分析。(With reference to CEN/TS 15968: 2010, analysis was performed by LC/MS/MS.)	mg/kg	0.01	n.d.

備註(Note):

- 1. mg/kg = ppm; 0.1wt% = 0.1% = 1000ppm
- 2. MDL = Method Detection Limit (方法偵測極限值)
- 3. n.d. = Not Detected (未檢出); 小於MDL / Less than MDL



Test Report

號碼(No.): ETR25704325 日期(Date): 30-Jul-2025 頁數(Page): 3 of 9

中華紙漿股份有限公司 (CHUNG HWA PULP CORPORATION)

台北市中正區重慶南路三段51號12樓 (12F., NO. 51, SEC. 2, CHUNGCHING S. RD., ZHONGZHENG DISTRICT, TAIPEI CITY 100, TAIWAN, R. O. C.)

PFAS Remark:

現有PFAS定量技術是分析PFAS物質的特定結構,但同碳數族群之PFAS酸及鹽類物質,其可被辨識的特定結構相同,因此無法區別所分析的特定結構是來自酸或者鹽類,故測試結果為同碳數族群之PFAS之酸及鹽類物質的濃度總合。下表PFAS物質濃度皆已包含在測試結果中,相關資訊請參見不表:(下表列舉PFAS物質僅為範例,並不包含無數族群之PFAS鹽類。)

(The quantitative technology of PFAS is to analyze the specific structure of PFAS substances. However, PFAS acid and its salts with the same carbon number group have the same specific structure that can be identified. The tested results of the analyzed specific structure cannot be distinguished to identify the contribution from PFAS acid or its salts. Therefore, the tested results display the sum of concentrations of PFAS acids and its salts with the same carbon number group. The concentration of PFAS substances in the below table have been included in the tested results, please refer to the table for relevant information: (The listed PFAS substances are examples only, it do not include all PFAS salts with the same carbon number group.))

群組名稱	物質名稱	CAS No.
(Group Name)	(Substance Name)	
	全氟辛烷磺酸 (Perfluorooctane sulfonates) (PFOS)	1763-23-1
	全氟辛基磺酸鉀 (PFOS-K)	2795-39-3
	Potassium perfluorooctanesulfonate (PFOS-K)	
	全氟辛基磺酸鋰 (PFOS-Li)	29457-72-5
	Perfluorooctanesulfonic acid, lithium salt (PFOS-Li)	
	全氟辛基磺酸銨 (PFOS-NH ₄)	29081-56-9
	Perfluorooctanesulfonic acid, ammonium salt (PFOS-NH ₄)	
	全氟辛基磺酸二乙醇銨 (PFOS-NH(C2H4OH)2)	70225-14-8
	Perfluorooctane sulfonate diethanolamine salt (PFOS-	
	NH(C2H4OH)2)	
	全氟辛基磺酸四乙基銨 (PFOS-N(C_2H_5) ₄)	56773-42-3
	Perfluorooctanesulfonic acid,tetraethylammonium salt (PFOS-	
PFOS, 及其鹽&衍生物	$N(C_2H_5)_4)$	
(PFOS, its salts & derivatives)	全氟辛基磺酸二癸二甲基銨 (PFOS-DDA)	251099-16-8
	N-decyl-N,N-dimethyldecan-1-aminium	
	1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctane-1-	
	sulfonate (PFOS-DDA)	
	全氟辛基磺酸四丁基銨 (PFOS-N(C ₄ H ₉) ₄)	111873-33-7
	TetrabutylAmmonium perfluorooctanesulfonate (PFOS-	
	$N(C_4H_9)_4)$	
	全氟辛基磺醯氟 (POSF)	307-35-7
	Perfluorooctane sulfonyl fluoride (POSF)	
	全氟辛基磺酸鎂 (PFOS-Mg)	91036-71-4
	Perfluorooctanesulfonic acid, magnesium salt (PFOS-Mg)	
	全氟辛基磺酸鈉 (PFOS-Na)	4021-47-0
	Perfluorooctanesulfonic acid, sodium salt (PFOS-Na)	

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com.tw/terms-of-service. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

新北市五股區新北產業園區五權七路 25 號 t+886(02)2299 3939 f+886(02)2299 3237 25, Wu Chyuan 7th Road, New Taipei Industrial Park, Wu Ku District, New Taipei City, Taiwan



Test Report

號碼(No.): ETR25704325 日期(Date): 30-Jul-2025 頁數(Page): 4 of 9

中華紙漿股份有限公司 (CHUNG HWA PULP CORPORATION)

台北市中正區重慶南路二段51號12樓 (12F., NO. 51, SEC. 2, CHUNGCHING S. RD., ZHONGZHENG DISTRICT, TAIPEI CITY 100, TAIWAN, R. O. C.)

群組名稱	物質名稱	CAS No.
(Group Name)	(Substance Name)	
	全氟辛烷磺酸哌啶 Piperidine 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8- heptadecafluorooctanesulfonate	71463-74-6
	全氟辛烷磺酸鹽 Perfluorooctanesulfonate (anion)	45298-90-6
	全氟辛烷磺酸與 N,N-二乙基乙胺 $(1:1)$ (PFOS-N(C_2H_5) ₃) 1-Octanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, compd. with N,N-diethylethanamine $(1:1)$ (PFOS-N(C_2H_5) ₃)	54439-46-2
	N,N,N-三甲基-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-十七氟-1-辛烷磺酸 甲銨(1:1) (PFOS-N(CH ₃) ₄) Methanaminium, N,N,N-trimethyl-, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-1- octanesulfonate (1:1) (PFOS-N(CH ₃) ₄)	56773-44-5
PFOS, 及其鹽&衍生物 (PFOS, its salts & derivatives)	1 -五胺·N,N,N-三丙基-, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-十七氟- 1 -辛烷磺酸鹽(1:1) (PFOS-N(C $_3$ H $_7$) $_3$ (C $_5$ H $_{11}$)) 1-Pentanaminium, N,N,N-tripropyl-, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-1-octanesulfonate (1:1) (PFOS-N(C $_3$ H $_7$) $_3$ (C $_5$ H $_{11}$))	56773-56-9
	1 -丁銨 · N,N-二丁基-N-甲基- · 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-十 七氟- 1 -辛烷磺酸鹽 (1:1) (PFOS-N(C_4H_9) $_3$ (CH $_3$)) 1-Butanaminium, N,N-dibutyl-N-methyl-, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-1-octanesulfonate (1:1) (PFOS-N(C_4H_9) $_3$ (CH $_3$))	124472-68-0
	碘鎓・雙[4-(1,1-三甲基乙基)苯基]-・1,1,2,2,3,3,4,4,5,5,6,6,7,7 ,8,8,8 - 十七氟-1-辛烷磺酸鹽 (1:1) lodonium, bis[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-1- octanesulfonate (1:1)	213740-80-8
	二苯基鍺(2,4,6-三甲基苯基)-, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-十七 氟- 1-辛烷磺酸鹽 (1:1) Sulfonium, diphenyl(2,4,6-trimethylphenyl)-, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-1- octanesulfonate (1:1)	258341-99-0
	吡啶鎓 · 1-十六烷基- · 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-十七氟-1 - 辛烷磺酸鹽 (1:1) Pyridinium, 1-hexadecyl-, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-1-octanesulfonate (1:1)	334529-63-4

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com.tw/terms-of-service. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

新北市五股區新北產業園區五權七路 25 號 t+886(02)2299 3939 f+886(02)2299 3237 25, Wu Chyuan 7th Road, New Taipei Industrial Park, Wu Ku District, New Taipei City, Taiwan



Test Report

號碼(No.): ETR25704325 日期(Date): 30-Jul-2025 頁數(Page): 5 of 9

中華紙漿股份有限公司 (CHUNG HWA PULP CORPORATION)

台北市中正區重慶南路二段51號12樓 (12F., NO. 51, SEC. 2, CHUNGCHING S. RD., ZHONGZHENG DISTRICT, TAIPEI CITY 100, TAIWAN, R. O. C.)

群組名稱	物質名稱	CAS No.
(Group Name)	(Substance Name)	
PFOS, 及其鹽&衍生物 (PFOS, its salts & derivatives)	1-癸胺·N,N,N-三乙基-·1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-十七氟-1 -辛烷磺酸鹽(1:1) 1-Decanaminium, N,N,N-triethyl-, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-1- octanesulfonate (1:1)	773895-92-4
	全氟辛烷磺酸四丁基磷 (PFOS-P(C_4H_9) $_4$)) Tetrabutylphosphonium perfluorooctane sulfonate (PFOS-P(C_4H_9) $_4$))	2185049-59-4
	全氟辛烷磺酸二乙胺鹽 (PFOS- $C_4H_{11}N$) Perfluorooctanesulfonic acid diethylamine salt (PFOS- $C_4H_{11}N$)	2205029-08-7
	庚基二甲基 $\{2-[(2-甲基丙-2-烯酰基)氧基]乙基\}$ 全氟辛烷磺酸氮紮鹽 (PFOS- $C_{15}H_{30}NO_2$) Heptyldimethyl $\{2-[(2-methylprop-2-enoyl)oxy]ethyl\}$ azanium perfluorooctanesulfonate (PFOS- $C_{15}H_{30}NO_2$)	1203998-97-3
	1-辛烷磺酸·1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-十七氟-,1,1' -酸酐 (PFOSAN) 1-Octanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8- heptadecafluoro-, 1,1'-anhydride (PFOSAN)	423-92-7
	全氟辛基磺醯氯(PFOS-Cl) Perfluoro-1-octanesulfonyl chloride (PFOS-Cl)	423-60-9
	全氟辛酸 (Perfluorooctanoic acid) (PFOA)	335-67-1
	全氟辛酸鈉 (PFOA-Na) Sodium perfluorooctanoate (PFOA-Na)	335-95-5
PFOA, 及其鹽&衍生物 (PFOA, its salts & derivatives)	全氟辛酸鉀 (PFOA-K) Potassium perfluorooctanoate (PFOA-K)	2395-00-8
	全氟辛酸銀 (PFOA-Ag) Silver perfluorooctanote (PFOA-Ag)	335-93-3
	全氟辛氟 (PFOA-F) Perfluorooctanoyl fluoride (PFOA-F)	335-66-0
	全氟辛酸銨 (APFO) Ammonium pentadecafluorooctanoate (APFO)	3825-26-1
	全氟辛酸鋰 (PFOA-Li) Lithium perfluorooctanoate (PFOA-Li)	17125-58-5
	全氟辛酸鈷 (PFOA-Co) Cobalt perfluorooctanoate (PFOA-Co)	35965-01-6

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com.tw/terms-of-service. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

新北市五股區新北產業園區五權七路 25 號 t+886(02)2299 3939 f+886(02)2299 3237 25, Wu Chyuan 7th Road, New Taipei Industrial Park, Wu Ku District, New Taipei City, Taiwan



Test Report

號碼(No.): ETR25704325 日期(Date): 30-Jul-2025 頁數(Page): 6 of 9

中華紙漿股份有限公司 (CHUNG HWA PULP CORPORATION)

台北市中正區重慶南路二段51號12樓 (12F., NO. 51, SEC. 2, CHUNGCHING S. RD., ZHONGZHENG DISTRICT, TAIPEI CITY 100, TAIWAN, R. O. C.)

群組名稱	物質名稱	CAS No.
(Group Name)	(Substance Name)	
	全氟辛酸銫 (PFOA-Cs) Cesium perfluorooctanoate (PFOA-Cs)	17125-60-9
	全氟辛酸鉻 (PFOA-Cr(3 ⁺)) Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, chromium(3+) (PFOA-Cr(3 ⁺))	68141-02-6
	全氟辛酸-哌嗪(2:1) PFOA-NH($C_4H_{10}N$) Pentadecafluorooctanoic acidpiperazine (2/1)PFOA-NH($C_4H_{10}N$)	423-52-9
	全氟辛酸鹽 Pentadecafluorooctanoate (anion)	45285-51-6
	全氟辛酸酐 Perfluorooctanoic Anhydride	33496-48-9
PFOA, 及其鹽&衍生物 (PFOA, its salts & derivatives)	乙銨·N,N,N-三乙基-, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-十五氟辛酸 (1:1) Ethanaminium, N,N,N-triethyl-, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctanoate (1:1)	98241-25-9
	全氟辛酸四甲銨鹽 Tetramethylammoniumperfluoroctanoat	32609-65-7
	1-丙銨·N,N,N-三丙基-, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-十五氟辛酸 (1:1) 1-Propanaminium, N,N,N-tripropyl-, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8- pentadecafluorooctanoate (1:1)	277749-00-5
	辛酸·2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-十五氟-鉀鹽·水合物 (1:1:2) (PFOA-K(H ₂ O) ₂) Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, potassium salt, hydrate (1:1:2) (PFOA-K(H ₂ O) ₂)	98065-31-7
	辛酸·2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-十五氟-·化合物。與乙胺 (1:1) (PFOA-C ₂ H ₇ N) Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, compd. with ethanamine (1:1) (PFOA-C ₂ H ₇ N)	1376936-03-6
	十五氟辛酸化合物與吡啶 (1:1) (9CI) (PFOA- C_5H_5N) Octanoic acid, pentadecafluoro-, compd. with pyridine (1:1) (9CI) (PFOA- C_5H_5N)	95658-47-2
	十五氟辛酸-1-苯基哌嗪(1:1) (PFOA- $C_{10}H_{14}N_2$) Pentadecafluorooctanoic acid- 1-phenylpiperazine(1:1) (PFOA- $C_{10}H_{14}N_2$)	1514-68-7



Test Report

號碼(No.): ETR25704325 日期(Date): 30-Jul-2025 『

頁數(Page): 7 of 9

中華紙漿股份有限公司 (CHUNG HWA PULP CORPORATION)

台北市中正區重慶南路二段51號12樓 (12F., NO. 51, SEC. 2, CHUNGCHING S. RD., ZHONGZHENG DISTRICT, TAIPEI CITY 100, TAIWAN, R. O. C.)

群組名稱 (Group Name)	物質名稱 (Substance Name)	CAS No.
(PFOA, its saits & derivatives)	1-辛胺·N,N,N-三甲基··2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-十五氟辛酸 (1:1) (PFOA- C ₁₁ H ₂₆ N) 1-Octanaminium, N,N,N-trimethyl-, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctanoate (1:1) (PFOA- C ₁₁ H ₂₆ N)	927835-01-6
	全氟辛醯氯 (PFOA-Cl) Pentadecafluorooctanoyl chloride (PFOA-Cl)	335-64-8

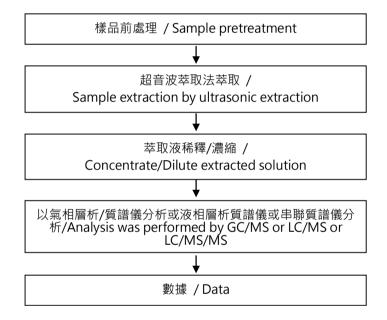


Test Report

號碼(No.): ETR25704325 日期(Date): 30-Jul-2025 頁數(Page): 8 of 9

中華紙漿股份有限公司 (CHUNG HWA PULP CORPORATION) 台北市中正區重慶南路二段51號12樓 (12F., NO. 51, SEC. 2, CHUNGCHING S. RD., ZHONGZHENG DISTRICT, TAIPEI CITY 100, TAIWAN, R. O. C.)

全氟化合物(包含全氟辛酸/全氟辛烷磺酸/其相關化合物等等)分析流程圖 / Analytical flow chart – PFAS (including PFOA/PFOS/its related compound, etc.)





Test Report

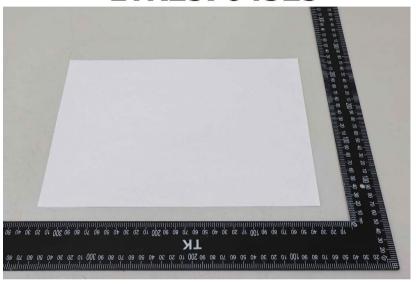
號碼(No.): ETR25704325 日期(Date): 30-Jul-2025

頁數(Page): 9 of 9

中華紙漿股份有限公司 (CHUNG HWA PULP CORPORATION) 台北市中正區重慶南路二段51號12樓 (12F., NO. 51, SEC. 2, CHUNGCHING S. RD., ZHONGZHENG DISTRICT, TAIPEI CITY 100, TAIWAN, R. O. C.)

* 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.)

ETR25704325



** 報告結尾 (End of Report) **