

R&D I 24 - 038

CERTIFICATE OF ANALYSIS

CLIENT: บริษัท ขุมชนเกษตรกรรม จำกัด (มหาชน)

REPORT NO.: COA202410110002

DATE: 15/10/2024

1. DETAILS OF PRODUCT

TYPE OF PRODUCT	RIGID PVC FILM FOR FOOD GRADE FILM APPLICATION
ORDER NO.	3TR24A0002 RFVC 0.250MM. 8922 (DARK BROWN)
MANUFACTURER	CPPC PUBLIC COMPANY LIMITED
COUNTRY OF ORIGIN	THAILAND
PRODUCTON DATE	10/10/2024
EXPIRATION DATE*	10/10/2025

* Under CPPC STD packing and correct storage conditions.

2. PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	UNIT	STANDARD	RATE
1. Specific gravity	ASTM D 792	-	1.370 ± 0.020	1.381
2. Tensile strength	ASTM D 638 M-89	kg/cm ²	≥ 400	PASSED
3. Elongation	ASTM D 638 M-89	%	≥ 40	PASSED
4. Flammability	MVSS-NO.302	inch	≤ 2	Self Extinguishing
5. Gloss value @ 60°	ASTM D523	%	A Side 85 - 95 B Side 85 - 95	92 93
6. Thickness	CPPC	mm.	0.250 ± 5%	0.245 - 0.257
7. Width (CD)	CPPC	mm.	180 ± 1	PASSED
8. Color (Visual)	CPPC	-	CPPC STD.	PASSED
9. Shrinkage (150 °C x 10 min)	JIS K-6734	%	MD ≤ 12 CD ≤ 2	4.5 1.1
10. Impact Strength at -15°C (Break rate)	ASTM D 1593-89	%	≤ 30	PASSED

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THIS CERTIFICATE OF ANALYSIS HAS APPROVED FROM CPPC SYSTEM, NOT REQUIRED FOR SIGNATURE

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