

Test Report

NO. QTC-715002683

Product Name: PE blown film intended for food packaging

Specification: 980*0.095 (mm)

Producer: Yantai Guangyuan Plastics Co., Ltd

Inspection Type: Produce License

Qingdao Product Quality Supervision and Testing Research Center

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Product Name	PE blown film for food packaging			Brand	
Specification	980*0.095 (mm)			Produce Date	2019-05-16
Producer	Yantai Guangyuan Plastics Co., Ltd			Tel	158 6562 2025
Sample Date	2019-05-15	Sample Person	Jianchun Zhang, Cheng Liu	Sample Arrival Date	2019/05/16
Sample Quantity	3 rolls*2.5m ² *2	Sealing Person	Chunpeng Sun	Sample No.	71502683
Sample Base		Sampling No.	No. 20190280	Inspection Date	2019-05-17~2019-05-30
Sample Status	PE blown film for packaging, no print, well sealed and comply inspection requirements				
Mission Source	Shandong Quality and Technique Supervision Adminstion				
Inspection Type	Produce License				
Inspection Items	Tensile strength, etc, total 11 items				
According	GB/T 4456-2008				
Conclusion	Issue this report against GB/T 4456-2008 Issue date 2019/06/1				
Note	Materials: PE-LD/PE-LLD PE materials, no additives, no print, in contact with food Expect service conditions is frozen, and heat before application Backup samples are 3rolls*2.5m ² , stored in report issue institute.				

Authorizer: Xiaobin Wang

Verifier: Dong Chen

Main Inspector: Chunpeng Sun

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No.	Inspection Item	Technical Requirements	Result	Judgement
1	Tensile Strength			Pass
1.1	MD	$\geq 11\text{Mpa}$	23Mpa	
1.2	TD	$\geq 11\text{Mpa}$	23Mpa	
2	Elongation Rate			Pass
2.1	MD	$\geq 150\%$	1096%	
2.2	TD	$\geq 150\%$	1416%	
3	Impact Strength	No break samples ≥ 8	10 samples all not break	Pass
4	Potassium permanganate Consumption	$\leq 10\text{mg/L}$	1.95mg/L	Pass
5	Evaporate Residual (4% acetic acid)	$\leq 30\text{mg/L}$	4.00mg/L	Pass
6	Evaporate Residual (65% alcohol)	$\leq 30\text{mg/L}$	6.50mg/L	Pass
7	Evaporate Residual (Hexane)	$\leq 60\text{mg/L}$	11.0mg/L	Pass
8	Heavy Metal	$\leq 1\text{mg/L}$	<1mg/L	Pass
9	Dis-color Test (Alcohol)	Negative	Colorless, Negative	Pass
10	Dis-color Test (Salad Oil)	Negative	Colorless, Negative	Pass
11	Dis-color Test (Soak Liquid)			Pass
11.1	Water Soaking	Negative	Colorless, Negative	
11.2	4% acetic acid Soaking	Negative	Colorless, Negative	
11.3	65% alcohol Soaking	Negative	Colorless, Negative	
11.4	Hexane Soaking	Negative	Colorless, Negative	

Note:

Environmental temperature in laboratory: 22.9~23.5°C, Relative Humidity 50.7~51.5%

Tensile strength and elongation rate performed against GB/T 1040.3-2006

Impact strength performed against GB/T 9639.1-2008

Potassium permanganate Consumption, Evaporate Residual, Heavy metal, Dis-color test performed against GB/T5009.60-2003

Attentions

1. The report is invalid without inspection report special stamp.
2. Do not copy the report unless specially permitted. The copy must be sealed with inspection report special stamp, otherwise it would be invalid.
3. The report would be invalid if there is no signature of the major inspector, verifier or authorizer.
4. The report would be invalid if altered.
5. Any question with the Commissioned inspection report should be submitted to the inspection unit within 15 days from receiving the report. After the specified date any request would be refused.
6. Samples offered inspection results refer only to the samples tested. Do not use the results for improper propaganda.

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