



220002349162



中国认可
国际互认
检测
TESTING
CNAS L0690

TEST REPORT

Report No.: WT2025E09A00036E

Entrusted by: Langfang Air-Tight Energy Saving Technology Co., LTD

Sample Name: Insulating glass

Test Type: Entrustment Test

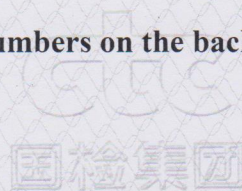
China Testing & Certification International Group Co., Ltd.
China National Safety Glass & Quartz Glass Test Center



WT2025E09A00036

Notice

1. This test report is invalid without the seal or cross-page seal.
2. This test report is invalid without the signatures of the related persons.
3. This test report is invalid if erased, altered or copied partially.
4. Any doubt should inform us within 15 days after receiving the test report.
5. The entrustment test samples and relevant information are provided by entrusted body, the laboratory is not responsible for authenticity. The results shown in this report refer only to the samples tested.
6. This test report is printed on anti-counterfeiting paper. Copies made from original should have grid shadings. The numbers on the back of the data sheet are random and not related with the report.



Laboratory contact information:

Address: No.1 Guanzhuang Dongli, Chaoyang District, Beijing, 100024, P.R. China.

Web: www.ctc.ac.cn

Customer online service platform: <https://www.ctc-online.cn>

Telephone of service reception: 400-010-0010, +86-10-51167681

Email of service reception: ywjd@ctc.ac.cn

Telephone of genuine enquiries and complaints: 400-010-0010, +86-10-51167679



China Testing & Certification International Group Co., Ltd.
China National Safety Glass & Quartz Glass Test Center
Test Report

Report No.: WT2025E09A00036E

Page 1 of 3

Sample Name	Insulating glass	Test Type	Entrustment Test
Entrusted by	Langfang Air-Tight Energy Saving Technology Co., LTD	Trademark	—
Manufacturer	—	Sample Status	Samples meet the test requirements
Reception Date	January 07, 2025	Sample Quantity	8 pieces
Production Date/ Batch No.	—	Model/Size	505mm×355mm×22mm
Test Method	Shown on each data sheet	Test Date	January 20, 2025- June 05, 2025
Criterion	ASTM E2190-19 <i>Standard Specification for Insulating Glass Unit Performance and Evaluation</i>		
Test Item	Seal durability, Dew point, Resistance to fogging.		
Conclusion	*The test results conform to the requirements of ASTM E1290-19. The test results are shown on Page 2 to Page 3.*		
Remark:	The entrusting party is responsible for the following submitted information: 5 mm Clear glass+12 mm SFS+5 mm Clear glass.		



Approved by: 王睿 Checked by: 丁任鑫 Compiled by: 施妍

Laboratory address: No.1 Guanzhuang Dongli, Chaoyang District, Beijing, 100024, P.R. China
Tel: +86-10-51167681

China Testing & Certification International Group Co., Ltd.
China National Safety Glass & Quartz Glass Test Center
Test Report

Report No.: **WT2025E09A00036E**

Page 2 of 3

Test Item	Seal durability, Dew point		
Test Method	ASTM E2188-19 <i>Standard test Method for Insulating Glass Unit Performance</i> ASTM E2190-19 <i>Standard Specification for Insulating Glass Unit Performance and Evaluation</i> , Section 6 ASTM E546-14(2020) <i>Standard Test Method for Frost/Dew Point of Sealed Insulating Glass Units</i>		
Requirement of Criterion	Requirements of ASTM E2190-19: The frost/dew point after initial phase (2 weeks high humidity test), middle phase (9 weeks weather cycle test) and final phase (4 weeks high humidity test) should be -40℃ or colder.		
Test Result			
Sample No.	Status after test (The frost/dew point after initial phase (2 weeks high humidity test), middle phase (9 weeks weather cycle test) and final phase (4 weeks high humidity test))	Forst/Dew point test temperature/℃	Forst/Dew point/℃
1	No condensation or frost was found.	-40	<-40
2	No condensation or frost was found.	-40	<-40
3	No condensation or frost was found.	-40	<-40
4	No condensation or frost was found.	-40	<-40
5	No condensation or frost was found.	-40	<-40
6	No condensation or frost was found.	-40	<-40
Item Conclusion	Pass		
Remark	1. Test address: Guanzhuang; 2. Main test equipment: J-45 GWS-660 Temperature & damp test chamber, J-44-4 MBQH-XH-3600 American-standard weather cycle phase chamber, J-23 TW-25 Schematic diagram of frost/ dew-point apparatus, J-21 GWS-660 Temperature & damp test chamber, J-57-1 803 Stop watch.		

Laboratory address: No.1 Guanzhuang Dongli, Chaoyang District, Beijing, 100024, P.R. China
Tel: +86-10-51167681

China Testing & Certification International Group Co., Ltd.
China National Safety Glass & Quartz Glass Test Center
Test Report

Report No.: **WT2025E09A00036E**

Page 3 of 3

Test Item	Resistance to fogging
Test Method	ASTM E2190-19 <i>Standard Specification for Insulating Glass Unit Performance and Evaluation</i> , Section 6 ASTM E2189-19 <i>Standard test Method for Testing Resistance to Fogging in Insulating Glass Units</i>
Requirement of Criterion	Requirements of ASTM E2190-19: There should be no visible volatile fog in samples.
Test Result	
Sample No.	Status after test
7	No flaws or deposits on the inner surface facing to the cavity were found before radiation test. No visible volatile fog was found after radiation test.
8	No flaws or deposits on the inner surface facing to the cavity were found before radiation test. No visible volatile fog was found after radiation test.
—	
Item Conclusion	Pass
Remark	1. Test location: Guanzhuang; 2. Main test equipment: J-43-1 FTA-1 UV radiation chamber.

————— **End of the report** —————

Laboratory address: No.1 Guanzhuang Dongli, Chaoyang District, Beijing, 100024, P.R. China
Tel: +86-10-51167681