2012001868M　　(2012)建材质监认字(15)号　　检 测 CNAS L1449

检 验 报 告

TEST REPORT

No.： GGS1308004

Sample Name	Opening aluminium window
Client	YINTEC GUANGYA CURTAIN WALL&WINDOW DOOR SYSTEM ENGINEERING CO.,LTD
Manufacturer	GUANGYA CURTAIN WALL&WINDOW DOOR SYSTEM ENGINEERING CO.,LTD
Test Category	Sample test

国家建筑材料工业建筑五金水暖产品质量监督检验测试中心

NATIONAL BUILDING MATERIAL INDUSTRY HARDWARE AND PLUMBING EQUIPMENT QUALITY SUPERVISION AND TEST CENTER

No. GGS1308004

TEST REPORT OF NATIONAL BUILDING MATERIAL INDUSTRY HARDWARE AND PLUMBING EQUIPMENT QUALITY SUPERVISION AND TEST CENTER

Sample Name	Opening aluminium window	Type / Model	AHM85 series Opening window 1500mm*1500mm
Quantity	1 set	Brand	——
Client	YINTEC GUANGYA CURTAIN WALL&WINDOW DOOR SYSTEM ENGINEERING CO.,LTD	Test Category	Sample test
Manufacturer	GUANGYA CURTAIN WALL&WINDOW DOOR SYSTEM ENGINEERING CO.,LTD	Accept Date	2013.08.26
Name of Engineering	——	Sample State	Undamaged
Serial Number or Production Date	2013.07.25	Test Date	2013.08.27
Test Place	No.4 Dahongmen West Road Fengtai District Beijing		
Reference Documents	GB/T 8485-2008 The graduation and test method for airborne sound insulating properties of windows and doors		
Test Item	Weighted airborne sound reduction index		
(Conclusion)	The sample according to GB/T 8485-2008 standard, weighted airborne sound reduction index and spectrum adaptation term is: $R_w(C;C_{tr}) = 34(-1;-2)dB$.  Test Seal Date of Issue: 2013.09.02		
Remark	1. Sample actual size: width: 1500mm, height: 1500mm. 2. Manufacturer name provide by client.		

Approved by: Guangyaxing Verified by: Chen yi dun Compiled by: Zheng yn

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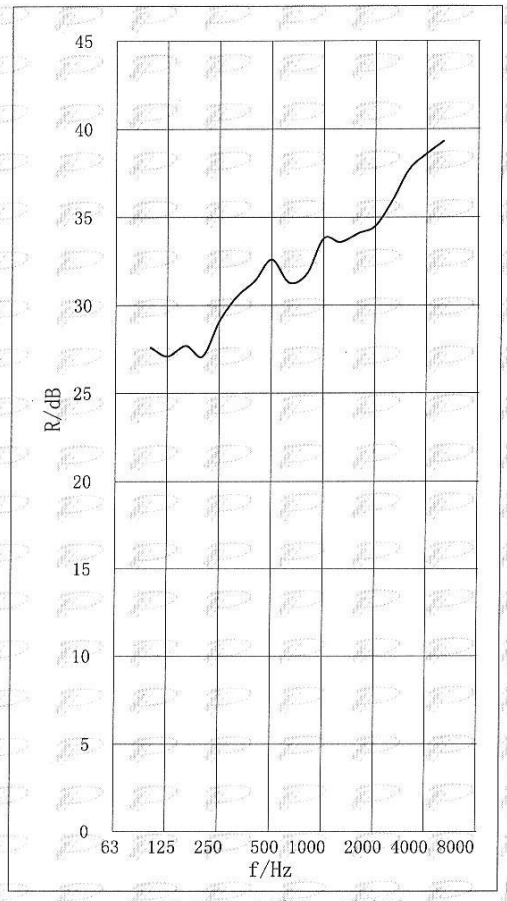

f/Hz	R/dB
100	27.6
125	27.1
160	27.7
200	27.1
250	29.1
315	30.5
400	31.4
500	32.6
630	31.3
800	31.8
1000	33.8
1250	33.6
1600	34.1
2000	34.5
2500	35.9
3150	37.7
4000	38.6
5000	39.3
R_w(dB)	34
C(dB)	-1
C_{tr}(dB)	-2

Test result: R_w (C;C_{tr}) =34(-1; -2)(dB)

R_w+C=33 (dB)

R_w+C_{tr}=32(dB)

Note: Sample is one sash top-hung window;opening area:0.35m^2;total area:2.25m^2;sealing material:rubber sealing strip;sample surface density:30.22kg/m^2;nominal glass structure:10.38mm;gap between the hole around and test specimens with cement mortar;sound source room volume:50.6m^3,Receiving room volume: 56.2m^3, Laboratory temperature:25℃～26℃, Laboratory of relative humidity:69%～70%.

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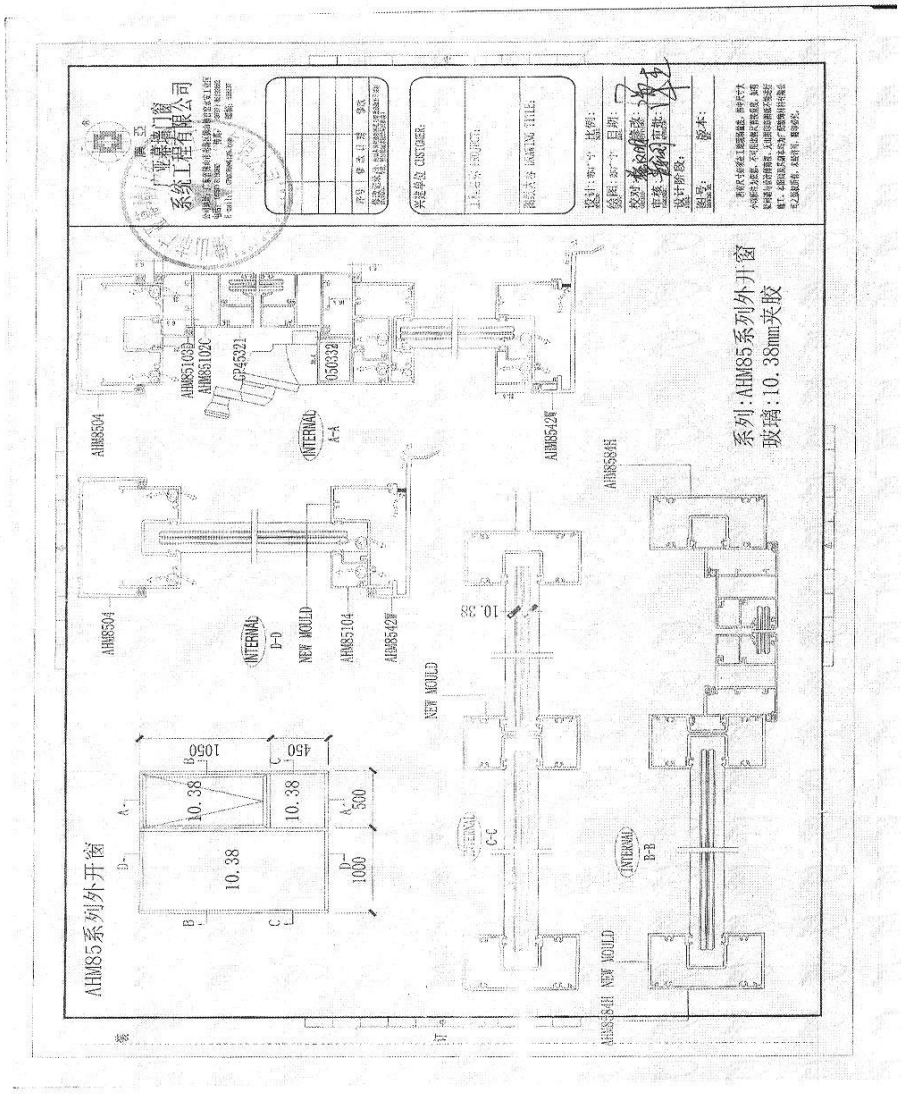
Attachment 1:

Sample Drawing



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Attachment 2:

The graduation table for windows and doors airborne sound insulating properties

Graduation	Exterior door, exterior window classification index value（dB）	Interior door, interior window classification index value（dB）
1	$20 \leqslant R_W + C_{tr} < 25$	$20 \leqslant R_W + C < 25$
2	$25 \leqslant R_W + C_{tr} < 30$	$25 \leqslant R_W + C < 30$
3	$30 \leqslant R_W + C_{tr} < 35$	$30 \leqslant R_W + C < 35$
4	$35 \leqslant R_W + C_{tr} < 40$	$35 \leqslant R_W + C < 40$
5	$40 \leqslant R_W + C_{tr} < 45$	$40 \leqslant R_W + C < 45$
6	$R_W + C_{tr} \geqslant 45$	$R_W + C \geqslant 45$
Note: Used for building machinery, equipment noise insulation of building windows and doors, the low-frequency noise should be used for the classification index value of the outside doors and windows; high-frequency noise can still use the windows index classification.		