

> ATMOSPHERIC CONDITIONING

Required Preconditioning (Ambient)

Time of conditioning (hours): **12** Temperature (°C): **27** Humidity (%): **62**
 Time of Conditioning (hours): **72** Temperature (°C): **38** Humidity (%): **85**

> SHOCK TEST FIRST DROP SEQUENCE

Use the spaces below to record drop heights and orientations of each drop:

Drop Number	Height (mm)	Orientation of packaged-product		Was packaged-product CAUGHT to prevent tipping over
1	460	EDGE	3-4	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
2	460	EDGE	3-6	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
3	460	EDGE	4-6	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
4	460	CORNER	3-4-6	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
5	460	CORNER	2-3-5	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
6	460	EDGE	2-3	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
7	460	EDGE	1-2	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
8	910	FACE	3	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
9	460	FACE	3	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N



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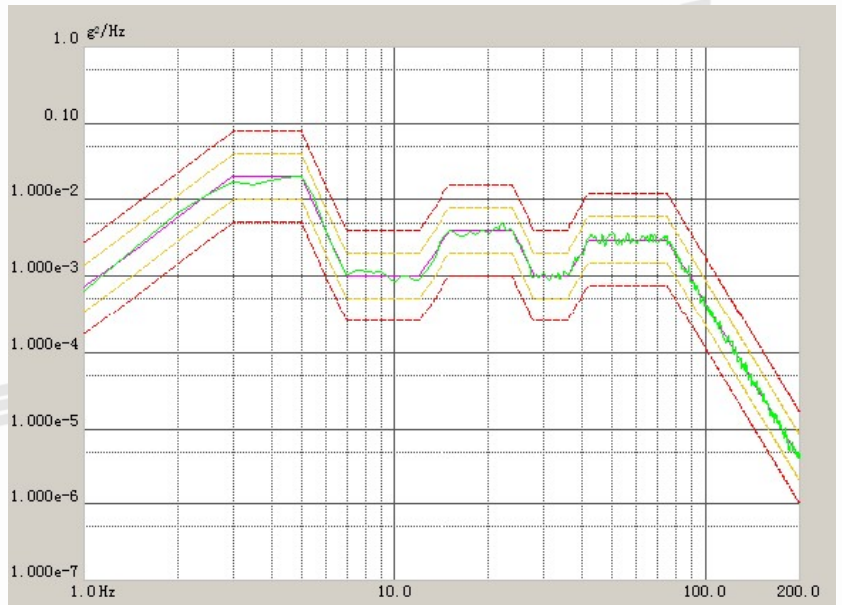
> VIBRATION UNDER DYNAMIC LOAD OVER-THE-ROAD

Describe restraining devices used, if any: **Steel barrier**

Formula, with values, used to calculate TL-H : (2.7-H)×L×W×100	Calculated Top Load (TL-H): 76kg	Actual Top Load Used(TL-H): 76kg	Total Test Time: 60min	Face resting on platform: 3
Formula, with values, used to calculate TL-L : (2.7-L)×W×H×100	Calculated Top Load (TL-L): 16kg	Actual Top Load Used(TL-L): 16kg	Total Test Time: 30min	Face resting on platform: 4
Formula, with values, used to calculate TL-W : (2.7-W)×L×H×100	Calculated Top Load (TL-W): 12kg	Actual Top Load Used(TL-W): 12kg	Total Test Time: 30min	Face resting on platform: 6

Use the spaces below to record frequency and PSD levels used:

Frequency (Hz)	PSD Level, g ² /Hz
1	0.0007
3	0.02
5	0.02
7	0.001
12	0.001
15	0.004
24	0.004
28	0.001
36	0.001
42	0.003
75	0.003
200	0.000004



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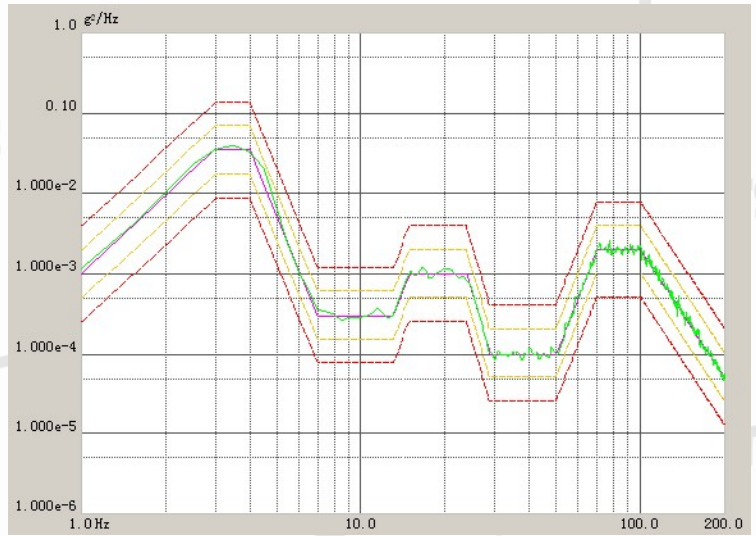
> VIBRATION PICK-UP AND DELIVERY

Describe restraining devices used, if any: **Steel barrier**

Face resting on platform: **3** Total test time: **30min**

Use the spaces below to record frequency and PSD levels used for random vibration:

Frequency (Hz)	PSD Level, g^2/Hz
1	0.001
3	0.0001
4	0.0001
7	0.002
13	0.002
15	0.00005
50	0.0001
70	0.002
100	0.002
200	0.00005



> SHOCK TEST SECOND DROP SEQUENCE

Use the spaces below to record drop heights and orientations of each drop:

Drop Number	Height (mm)	Orientation of packaged-product		Was packaged-product CAUGHT to prevent tipping over
10	910	Edge	3-4	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
11	460	Edge	3-6	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
12	460	Edge	1-5	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
13	460	Corner	3-4-6	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
14	460	Corner	1-2-6	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
15	460	Corner	1-4-5	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
16	460	FACE	3	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
17 (on hazard)	460	FACE	3	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N



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Appendix: Test Pictures

Pre-test:

(The Structure of the Packaged-Product)



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Testing:

Atmospheric conditioning:



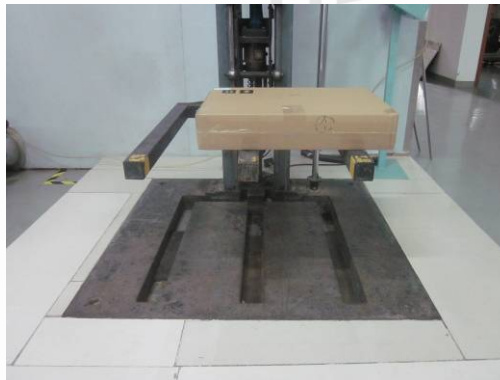
First drop test:



Edge drop



Corner drop

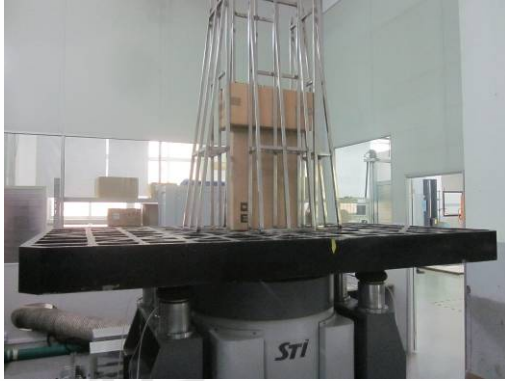


Face drop

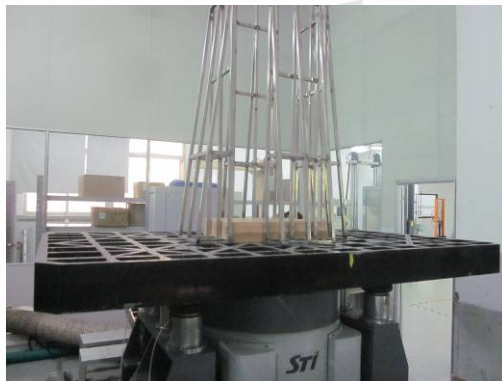


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Vibration under Dynamic Load test:



Vibration:



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Second drop test:



Edge Drop



Corner Drop



Face Drop



Face Drop on hazard



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Post-test:

(The checking pictures of the package and product)

- - - END OF THE REPORT - - -



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