



## Sealed Air Taiwan Ltd.

### Taiwan Packaging Laboratory

No 20 Lane 238 Tun-Hwa N. Road, Taipei, Taiwan. Tel:(886)02-2713-5321 Fax:(886)02-2713-5334

International Safe Transit Association  
Certified Packaging Laboratory



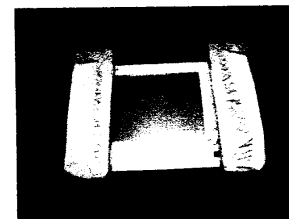
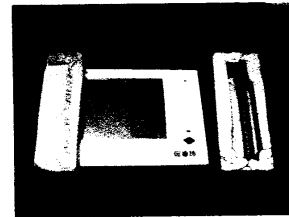
ID Number: ST-2304

Oct 2, 2000

Prepared for: ASTECH TECHNOLOGY CO., LTD.  
Product: AMB-2450 Panel  
Carton Information: Double Wall AB-flute  
570x430x165mm Inside Dimensions  
Current Packaging: Instapak Gflex  
Test Method: International Safe Transit Association (ISTA) Procedure 1A-Pre-shipment test for packaged products weighing under 100 pounds.  
Test Equipment: Lansmont Precision Drop Tester  
Package Weight: 11.8kgs  
Drop Height: 30"  
Drop Description: 10 drops  
Manufacturers joint lower corner, three radiating edges, and six faces.

After testing, the outer container still afforded reasonable protection to its contents. There was no apparent physical damage to the unit. Functional testing, however, was not performed.

**CONCLUSION:** Provided that this unit is found to be in good working order, this package is suitable for common parcel shipment of this product. It meets or exceeds the drop test portion of the International Safe Transit Association Procedure 1A pre-shipment test specifications.



Please contact with me if you have any question!!

Mark Hsu  
Packaging Lab manager/Packaging Designer  
Tony Chang  
Packaging Designer



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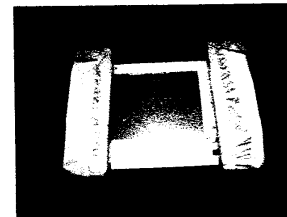
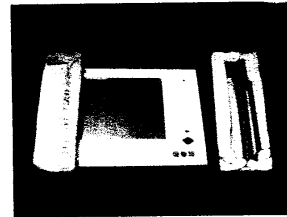
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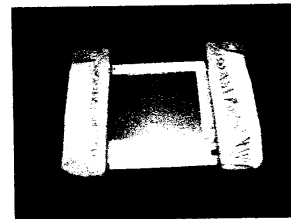
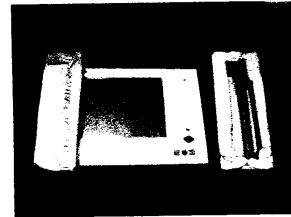
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ID Number: ST-2304

## Vibration Test Report

Test For: Astech Technology Co., Ltd.

Date Tested: Oct 3, 2000

Test Specimen: AMB-2450 Panel

Weight Of Product: 11.8 kgs

Cushion Material: Instapak Gflex

TEST METHOD: Fixed Displacement, Rotary Motion

Frist Part: 30.3 Minutes at 234 CPM = 7100 Number of Impacts

Rotation of 90 degree

Second Part: 30.3 Minutes at 234 CPM = 7100 Number of Impacts

Total : 14200 Number of Impacts

TEST RESULTS: After testing, the outer container still afforded reasonable protection to its contents. There was no apparent physical damage to the unit. Functional testing, however, was not performed.

CONCLUSION: Provided that this unit is found to be in good working order, this package is suitable for common parcel shipment of this product. It meets or exceeds the vibration test portion of the International Safe Transit Association Procedure 1A pre-shipment test specifications.

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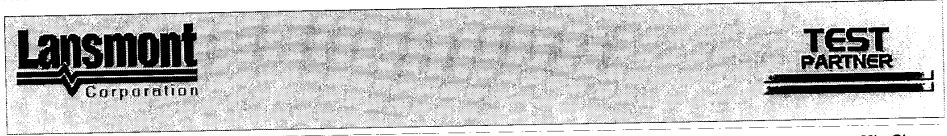
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Tony Chang  
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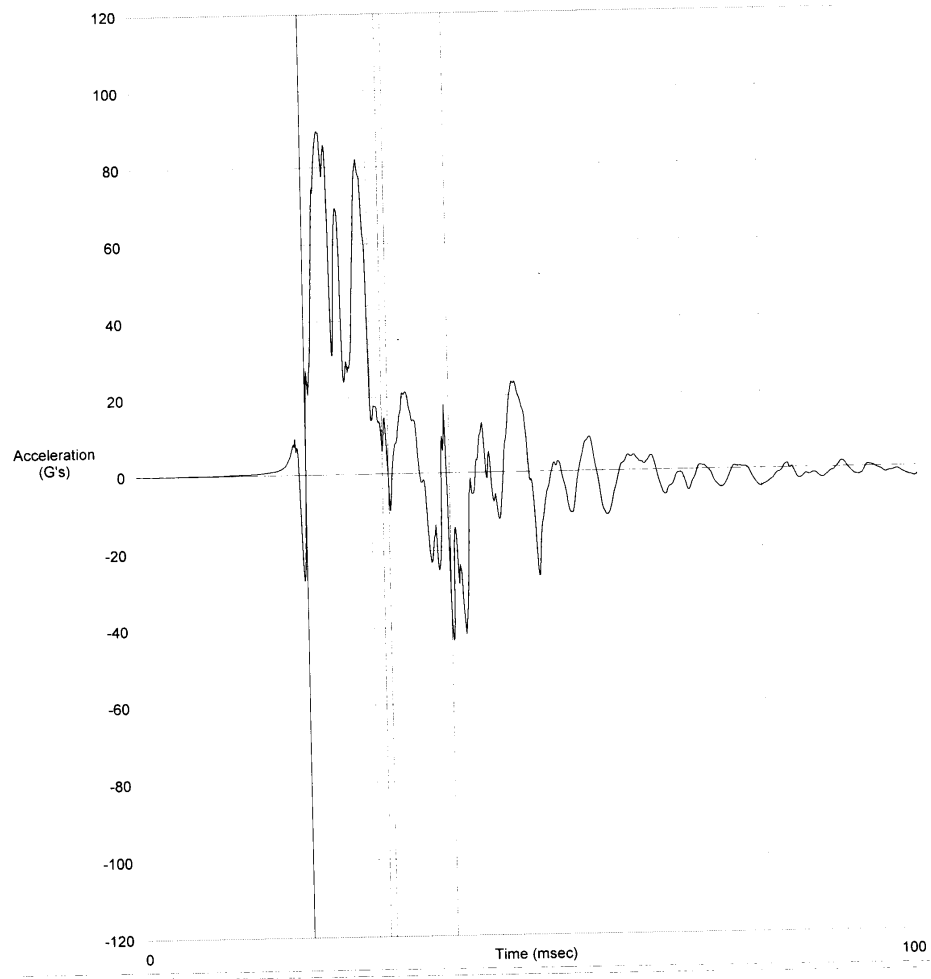
Acceleration vs. Time

Bottom  
C:\Program Files\TP3\2450-p6.PL3

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Oct-02-2000

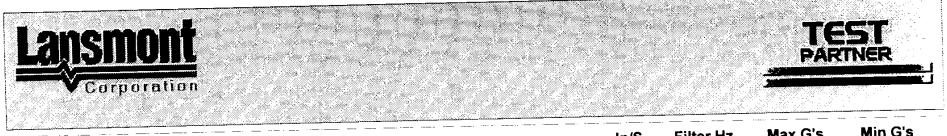


Channel Description:	G's	msec	In/S	Filter Hz	Max G's	Min G's
Ch 3 Channel 3	89.50	9.80	192.64	330.00	89.50	-43.57

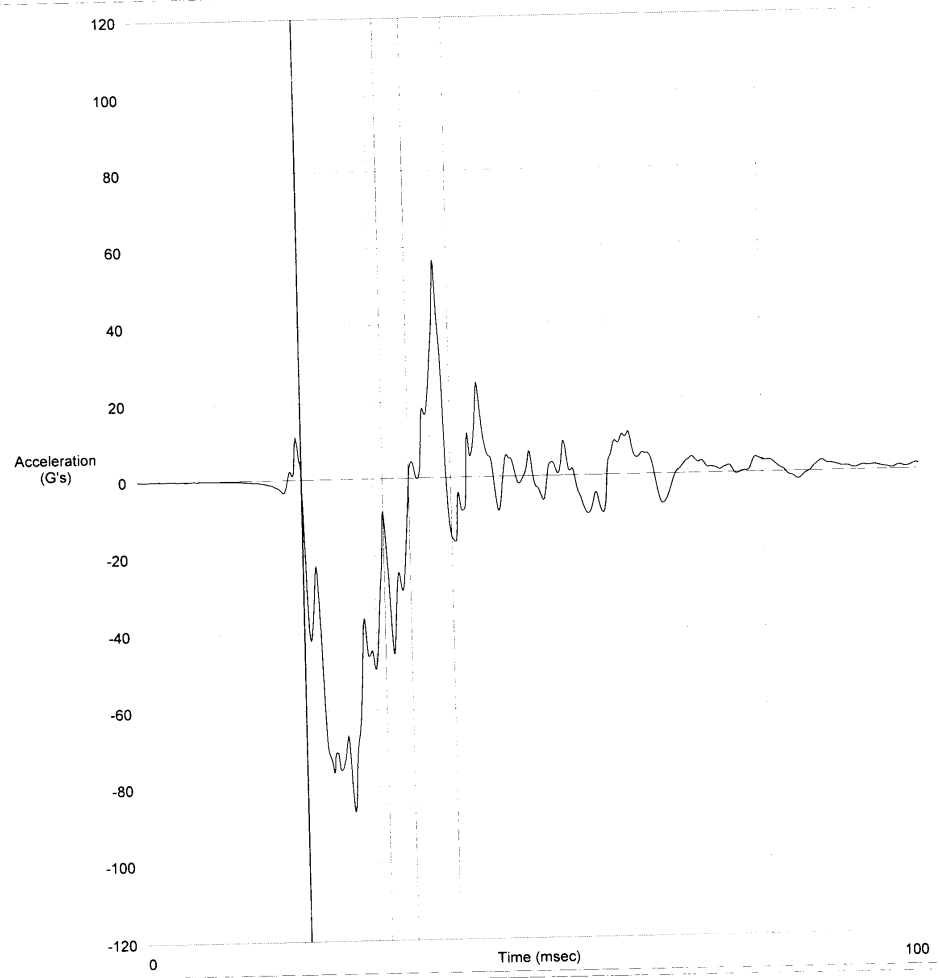


Test ID: AMB-2450  
Drop Height: 30 Inch

Remarks:



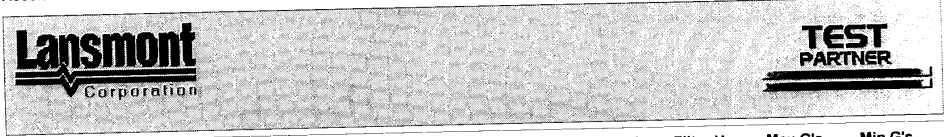
Channel Description:	G's	msec	In/S	Filter Hz	Max G's	Min G's
Ch 3 Channel 3	-86.68	10.30	-244.62	330.00	56.59	-86.68



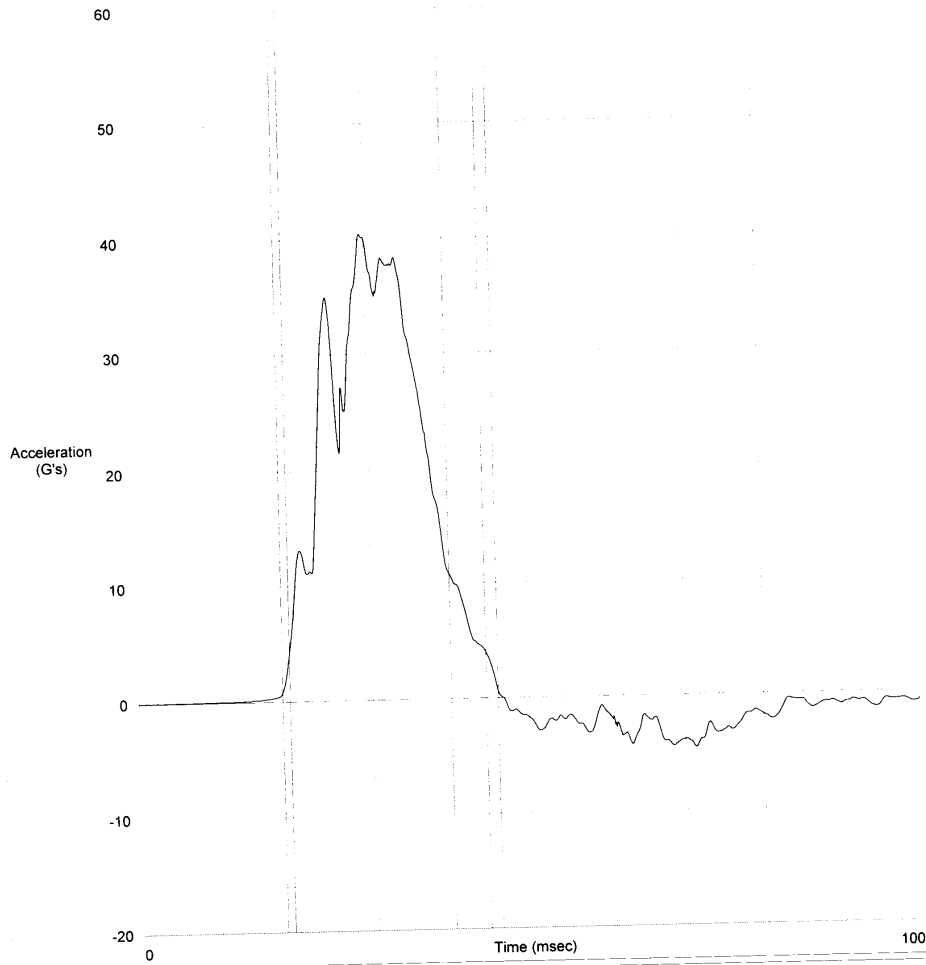
Test ID: AMB-2450  
Drop Height: 30 Inch

Remarks:





Channel Description:	G's	msec	In/S	Filter Hz	Max G's	Min G's
Ch 1 Channel 1	40.47	25.20	225.77	330.00	40.47	-4.57



Test ID: AMB-2450  
Drop Height: 30 Inch

Remarks:

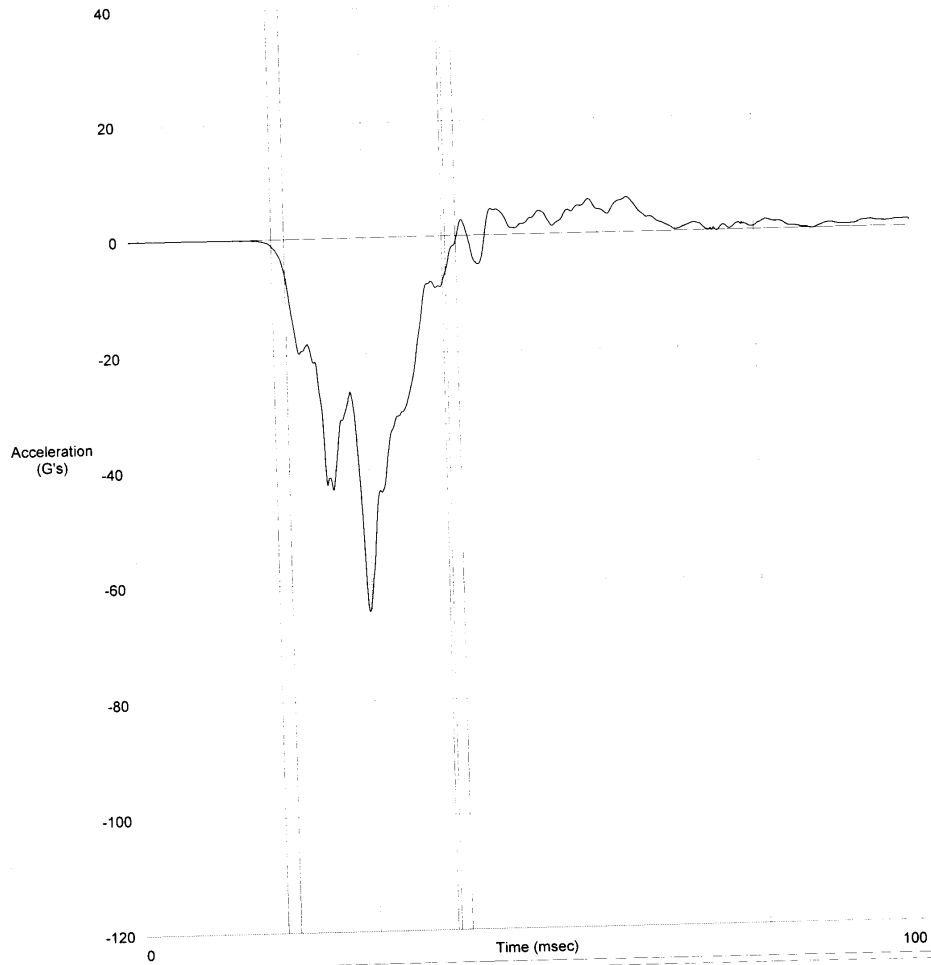
Acceleration vs. Time

Front  
C:\Program Files\TP3\2450-p3.PL3

04:17:19 PM  
Oct-02-2000



Channel Description:	G's	msec	In/S	Filter Hz	Max G's	Min G's
Ch 1 Channel 1	-64.71	20.60	-229.52	330.00	6.01	-64.71



Test ID: AMB-2450  
Drop Height: 30 Inch

Remarks:

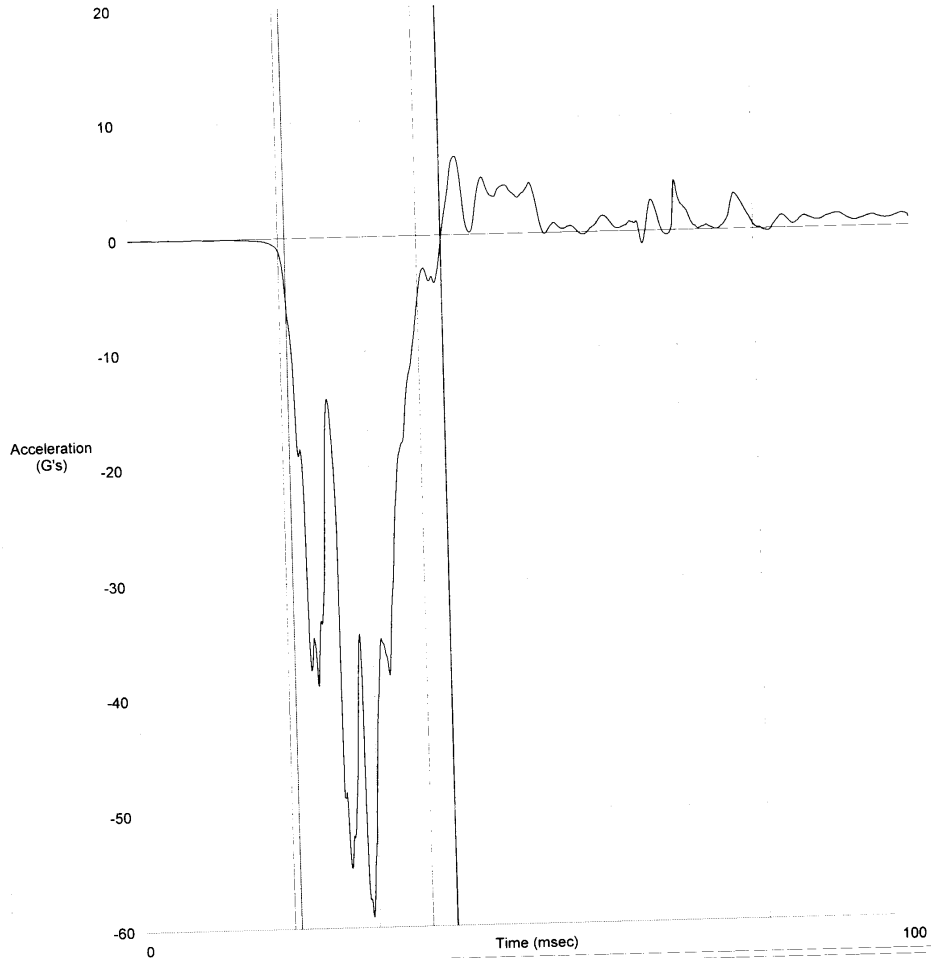
Acceleration vs. Time

Left  
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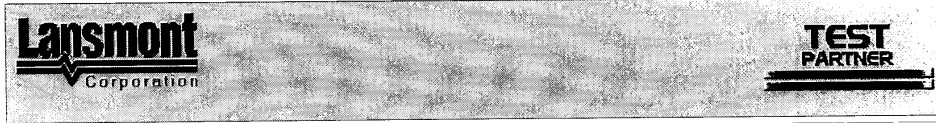


Channel Description:	G's	msec	In/S	Filter Hz	Max G's	Min G's
Ch 2 Channel 2	-59.15	16.90	-205.22	330.00	6.76	-59.15

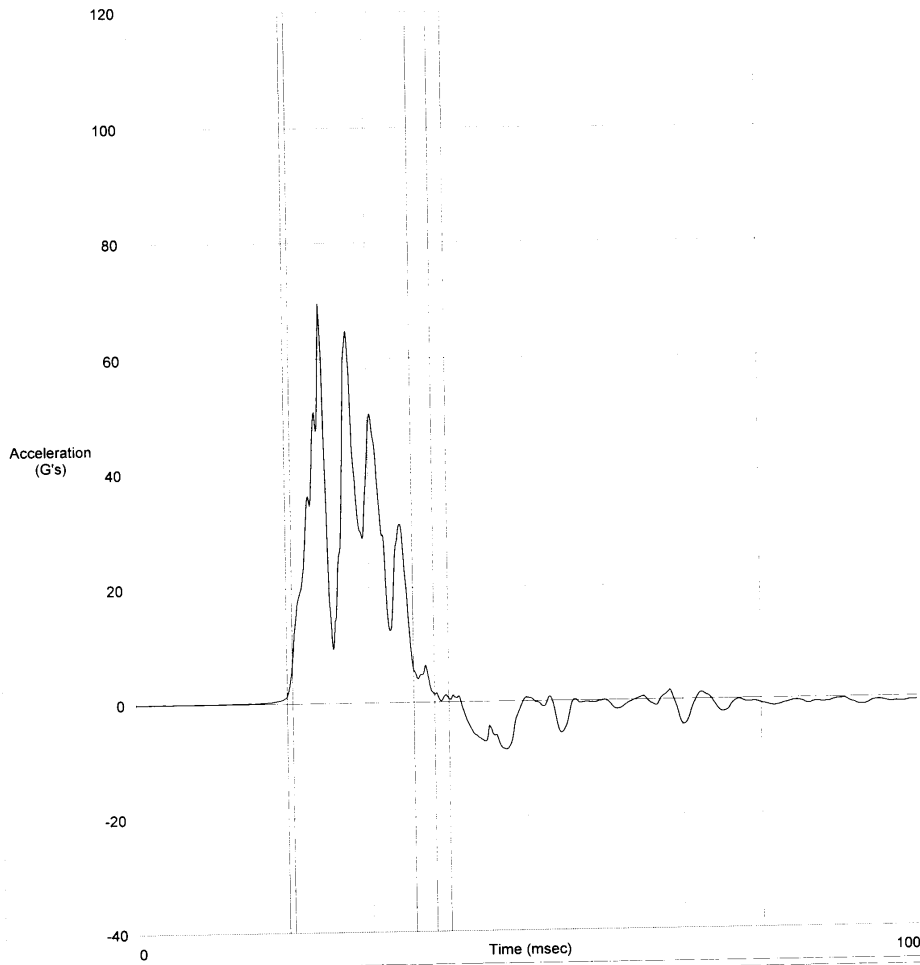


Test ID: AMB-2450  
Drop Height: 30 Inch

Remarks:



Channel Description:	G's	msec	In/S	Filter Hz	Max G's	Min G's
Ch 2 Channel 2	69.53	15.50	198.48	330.00	69.53	-8.43



Test ID: AMB-2450  
Drop Height: 30 Inch

Remarks:

