



**CLIENT:** Safety Down Under Inc.  
P.O. Box 522  
Pittstown, NJ 08867

<b>Test Report No:</b> 30398	<b>Date:</b> December 2, 2003
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The following sample was submitted by the Client as: **Playground Safety Surface Wood Mulch**

**DATE OF RECEIPT:** November 13, 2003

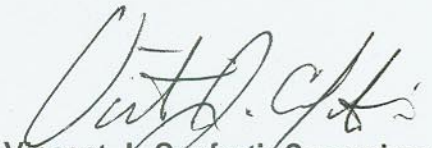
**TESTING PERIOD:** November 24, 2003

**AUTHORIZATION:** Client Letter


**TEST REQUESTED:** The submitted sample was evaluated for Shock Absorbing Properties in accordance with the procedures outlined in ASTM F-1292-99, "Standard Specification for Impact Attenuation of Surface Systems Under and Around Playground Equipment".

**TEST RESULTS:** Continued on the following pages

**PREPARED BY:**

  
**Vincent J. Conforti, Supervisor**  
**Engineering Physical Properties**  
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**SIGNED FOR AND ON BEHALF OF**  
**SGS U.S. TESTING COMPANY INC.**

  
**Frank Savino, Manager**  
**Materials Evaluation**

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**RESULTS:**

**Sample:** Wood Mulch Playground Safety Surface  
**Sample Dimensions:** 18 x 18 x 12" Thickness  
**Test Procedure:** ASTM F-1292-99 and F-355-95, Procedure C  
**Missile:** ANSI C Headform in Crown Position; Total Drop Assembly Weight 5 kg (11 pounds)

<u>Temperature</u>	<u>Maximum Drop Height That Gives a "G" Max of 200 or Less and an HIC of 1000 or Less</u>
Ambient, 23°C (73°F)	12 Feet
Cold, -1°C (30°F)	12 Feet
Hot, 49°C (120°F)	12 Feet



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RESULTS:

Temperature: 23°C (73°F)

<u>Drop No.</u>	<u>Drop Height, Ft.</u>	<u>"G" Max.</u>	<u>HIC</u>
1	12	56	172
2	12	78	335
3	12	100	420
Avg. (2 & 3 Only)		89	377



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RESULTS:

Temperature: -1°C (30°F)

<u>Drop No.</u>	<u>Drop Height, Ft.</u>	<u>"G" Max.</u>	<u>HIC</u>
1	12	45	137
2	12	80	353
3	12	99	509
Avg. (2 & 3 Only)		89	431



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RESULTS:

Temperature: 49°C (120°F)

<u>Drop No.</u>	<u>Drop Height, Ft.</u>	<u>"G" Max.</u>	<u>HIC</u>
1	12	56	137
2	12	92	387
3	12	107	468
Avg. (2 & 3 Only)		99	427

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End of Report