



## **PURPOSE**

The purpose of this test report is to present the test results obtained during the performance of a test program. This report includes a brief description of the samples presented for test, a list of the documents presented as test instructions, and a summary of the testing performed and the results obtained. Applicable requirements and conclusions are based on the criteria provided by our client, or as specified in the reference document(s).

## **WORK REQUESTED / REFERENCE DOCUMENT(s)**

ASTM F1292-13 – Impact Attenuation of Surfacing Materials within the Use Zone of Playground Equipment.

## **TEST SEQUENCE**

Perform impact testing to determine maximum critical fall height at temperatures (-6°C), 23°C, and 49°C per ASTM F1292-13.

Testing was performed on December 4 and December 7, 2015.

## **SAMPLE DESCRIPTION**

Ever-Green Landscape Nursery and Supply, Inc., submitted approximately 50 cubic feet of loose fill wood material identified as Playmate Play Area Wood Chips.



## TESTING PERFORMED

### IMPACT ATTENUATION

#### Procedure

Sample material, Playmate Play Area Wood Chips, nine (9) inch compacted depth, was tested to determine maximum critical fall height at temperatures (-6°C), 23°C, and 49°C. An impact test consists of three (3) impacts at the same impact site, at each temperature and height. Calculate the average HIC and G-max values using the second and third impact data.

#### Requirements

ASTM F1292-13, using an average of the last two (2) of three (3) impacts, no value shall exceed 200 G-max or 1000 HIC.

#### Conclusion

The maximum critical fall of height of a 9 inch compacted depth, Playmate Play Area Wood Chips, was determined to be fourteen (14) feet. The material met the requirements of ASTM F1292-13.

#### DISCLAIMER

Per the head impact attenuation and wheelchair accessibility test reports for Playmate® Play Area Wood Chips®, "Meeting the requirements set forth by the specification does not imply that an injury cannot be incurred." Furthermore, "ASTM, as well as the producer, distributor, and independent testing lab stress that the ATSM F1292-13 / F1292-14 standards do not purport to address the safety problems associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use."

#### Note

A complete copy of each updated test from December 2015 including all testing data is available upon request.