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Ergodyne Bucket & Backpack Testing Summary

Ergodyne
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INTRODUCTION

This summary presents the results of load tests conducted on samples of buckets, a backpack, and a lanyard. The testing was authorized by Mr. Nate Bohmbach of Ergodyne on April 28, 2014. The testing and data analysis were completed on May 8, 2014. For details see full report.

The scope of our work was limited to conducting load tests on the samples submitted and reporting the results.

SAMPLE IDENTIFICATION

The sample was identified as a Large Leather Swivel Bucket #5650, a Large PP Swivel Bucket #5653, a Backpack #5843, and a Tool Lanyard #3119EXT.

TEST METHOD

The specimen was allowed to condition at standard laboratory conditions of $72 \pm 4^{\circ}\text{F}$ and $50 \pm 5\%$ relative humidity for at least 40 hours prior to testing. Testing was done as detailed below, with notes of parameters.

Test Method	Test Method Title	Parameters and/or Deviations from Method
Custom	Proof Load Test	Buckets loaded at 600 lbs (large bucket) and 368 lbs (small bucket) for 30 mins
Custom	Bucket Lid Testing	Lid placed on bucket loaded to 363 lbs and suspended inverted for 30 mins
Custom	Lanyard Drop Test	40 lbs drop weight 5 times from standard height
Custom	Backpack Proof Load Test	Backpack loaded at 200 lbs and suspended for 30 mins

TEST RESULTS

Bucket Proof Load

Large Bucket - No apparent damage following 30 minutes with a load of 600 lbs.

Smaller Bucket - No apparent damage following 30 minutes with a load of 368 lbs.

Bucket Lid

No apparent damage to lid following 30 minutes inverted with load of 363 lbs.

Lanyard Drop

No apparent damage to lanyard following 5 drops at 40 lbs.

Backpack Proof Load

Pass- No apparent damage to backpack following 30 minutes at a load of 200 lbs