



# ARTECH TESTING, L.L.C.

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PRODUCT TESTING

## TEST REPORT

FAILURE ANALYSIS

**To:** Charlie Robertson  
Robertson Industries, Inc.  
4154 West Mercury Way  
Chandler, Arizona 85226

LITIGATION SUPPORT

**Re:** Test on playground surfacing material  
Artech Job # F070151

CHEMICAL ANALYSIS

Dear Mr. Robertson,

You requested testing of the submitted playground surface material in accordance with ASTM E303. Artech received two sample pieces of the surfacing material.

ENGINEERING CONSULTING

The testing was conducted using a portable skid resistance tester (British pendulum tester) with a standard neolite (synthetic rubber) sensor at 70°F. The sample surface was wetted with de-ionized water before each test swing. The results are summarized in the table.

MATERIALS RESEARCH

Sample ID	4 consecutive BPN readings				Average BPN
#1	30	29.5	28	28	28.9
#2	30	30	29	29	29.5

FOOTWEAR TESTING

Industry guidelines in the UK classify BPN values from 0 to 24 indicate high slip potential. BPN values from 25 to 35 indicate moderate slip potential and BPN values 36 and greater indicate low slip potential.

Sincerely,

Claudio J. Herzfeld  
Sr. Materials Engineer  
Artech Testing, LLC