



MICROSTAT LABORATORIES
RIVER'S EDGE TECHNICAL SERVICE

Specialists in Materials Testing and Technical Services

TEST REPORT

Company Name
Sample Description

Identifiers

TESTED FOR

List tests

Report #: 2009-YYY
Month XX, 2009



SUMMARY

Three lots of test samples were submitted for testing to Specification XXXXXX. The samples all meet the defined specification limits.

EXPERIMENTAL AND DISCUSSION

All testing was carried out per the methods defined in Method XXXX of Specification XXXXX. All data is included below in Tables X, Y & Z.

Table X
Surface Resistance Data
Testing per ANSI/ESD STM11.11

Sample #	Surface Resistance
1	4.23 x 10 ¹⁰ Ω
2	7.40 x 10 ¹⁰ Ω
3	4.39 x 10 ¹⁰ Ω
4	8.34 x 10 ¹⁰ Ω
5	5.69 x 10 ¹⁰ Ω
6	3.04 x 10 ¹⁰ Ω
Average	4.15 x 10 ¹⁰ Ω
St. Dev.	3.28
Median	4.23 x 10 ¹⁰ Ω
Minimum	1.80 x 10 ¹⁰ Ω
Maximum	8.34 x 10 ¹⁰ Ω

Table X
Static Discharge Shielding Data Summary

	12% R.H. Data	50% R.H. Data
Average	17.66 nJ	19.41 nJ
St. Dev.	2.36 nJ	3.60 nJ
Min	11.87 nJ	13.56 nJ
Max	21.95 nJ	27.37 nJ



Table Z
Static Decay Test Data

Inside Surface										
Bag #	+5000V to +50V					-5000V to -50V				
1	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0
Outside Surface										
Bag #	+5000V to +50V					-5000V to -50V				
1	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0



EQUIPMENT USED FOR ELECTRICAL TESTING

Surface Resistance Measurements:

Keithley Model 6517a Electrometer/High Resistance Meter
ETS Model 803B Resistance Probe
ETS Model 809 Surface Resistance Verification Fixture

Static Discharge Shielding Measurements:

ETS Model 811/412 Electrostatic Discharge Unit/Shielding Bag Tester
Tektronix TDS 520A Digital Oscilloscope.

Static Decay Time Measurements:

TREK Model 341 ElectroStatic Voltmeter
KeyTek MZ-15 ESD Simulator
Novx Data Acquisition Software

The results provided in this report are accurate within the limits appropriate to each test standard. The results of this report are statistically significant only to the samples submitted for testing. MicroStat Laboratories/River's Edge Technical Service, Inc. has no controls, and assumes no responsibility for the tested product's functionality or use. This report shall not be reproduced, except in full, without written permission from River's Edge Technical Service, Inc.

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Date