

Appendix 1

CERTIFICATE OF COMPLIANCE

The surface electrical resistivity of Pink Slip Lot # 01110 complies with NFPA 99.

TABLE 1: Summary of Test Conditions per standard ASTM D-257

Material	Wy'East Medical Pink Slip Lot # 01110
Test Specimen	3 - 3 inch by 3 inch square samples cut from random locations on each product
Type and dimensions of electrodes	Keithley 8009 Resistivity test fixture with concentric ring electrodes Guarded sensing electrode: circular with 2.00 inch diameter Electrified ring electrode: annular with 2.25 inch inner diameter Gap between electrodes: 0.125 inch
Sample Conditioning	Condition 25/23/50—Condition 25 h at 23°C and 50 % relative humidity (standard laboratory atmosphere).
Test Conditions	T-23/50—Test at 23°C and 50 % relative humidity.
Method of measurement	Alternating polarity (see Appendix V).
Applied voltage	12.75 volts across 0.125 inch gap for an electrical stress of 102 volts per inch
Measurement electrification time	A positive voltage was applied for 10 seconds followed by a negative voltage applied for 10 seconds. This cycle was repeated 10 times resulting in 20 measurements of resistivity.
Measured values	Surface resistivity values in units of GigaOhm per square ($1E+9 \Omega/\square$) are given in Table 2.
Apparent / Steady State	The alternating polarity method measures the “apparent” surface resistivity of the sample. The degradation of the sample conductivity is minimized by alternating polarity method by minimizing the loss of mobile ions.

TABLE 1: Pink Slip Lot # 01110 Surface Resistivity (Gigaohm/sq)

Sample	Square Cut #1	Square Cut #1	Square Cut #1	Mean	Std Dev
1	n/a ¹	n/a ¹	142.4	142.4	n/a
2	80.5	77.7	67.6	75.3	6.8
3	95.3	107.2	78.7	93.7	14.3
Lot # 01110 Mean:				92.8	25.5

¹note: long measurement time degraded sample