

## BALLISTIC TEST CERTIFICATION REPORT

Manufacturer: ELVEX CORPORATION Test Model: SG-24PL

Date of Test: 2008/12/23

### **MIL-PRF-31013 3.5.1.1 Ballistic resistance**

The ballistic resistance of the spectacles shall be such that they will pass a Vo test using a 0.15 caliber, 5.8 grain, T37 shaped projectile at a velocity of **640 to 660 feet** per second.

<b>Test Model:</b>	<b>SG-24PL</b>
<b>Velocity (feet / per second):</b>	<b>679</b>
<b>Pass or Fail:</b>	<b>PASS</b>

### **Test Method:** 4.4.1.1 Ballistic resistance

The test shall be a Vo test conducted as specified in MIL-STD-662 using a 0.15 caliber, 5.8 grain, T37 shaped projectile with the following exceptions: electronic velocity detection devices (light bean or acoustic type) may be used to determine the velocity of the projectile, such devices placed no less than 8 inches and no more than 24 inches from the target; compressed gas propulsion of the projectile may be used. The eyewear shall be mounted on an Alderson 50<sup>th</sup> percentile male headform I the as-worn position. The 0.002 inch thick aluminum foil witness sheet shall be mounted within 2 inches of the eyewear behind the area of impact. The sample shall be hit once at normal incidence within a 1-inch diameter at a point centered vertically and at a horizontal distance of 32 mm from the centerline. The sample shall be considered a failure if the aluminum foil witness sheet is punctured or if the sample is cracked.

