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## How to Read an E 11-04 Centerline Report

## Example 30 mesh

## Specification Data from ASTM E 11-04

minus 15% of the nominal wire diameter value.

specification bala from Astivit 11-04	Calibration report
Nominal Opening = the ideal opening size	600 μm
<b>Opening Tolerance</b> = The average opening (distance between parallel wires measured at the center of the opening), in the X and y directions measured separately shall conform to the nominal opening plus or minus the opening tolerance value.	±25 µm
<b>Intermediate Tolerance</b> = Not more than 5% of the openings measured	
in each direction shall exceed the value of nominal plus the intermediate	+60 μm
tolerance.	του μιτι
Maximum Tolerance = largest allowable opening size	695 µm
Wire Diameter = nominal wire diameter size expressed in millimeters	0.400 mm
Wire Diameter Tolerance = The average of all wire diameters	
measured shall lie within the range, nominal wire diameter size plus or	0.340-0.460 mm

**Summary Statistics** 

X = 601.72 μm
$Y = 602.13 \mu m$
X = 8.98 μm
Y = 7.77 μm
X = 585.69 µm
Y = 584.47 µm
X = 622.30 µm
Y = 621.26 µm
X = 36.61 µm
Y = 36.79 μm
X = 0.399 mm
Y = 0.399  mm

## Pass / Fail Questions

- 1. Does the average opening size pass the E 11-04 test?
  - Pass = The average (mean) opening size conforms to the nominal opening plus or minus the opening tolerance value.
- 2. Does the sample pass the maximum opening size test for E 11-04?

Pass = None of the measured values exceeds the maximum tolerance value.

- 3. Does the sample pass the E 11-04 intermediate tolerance test?

  Pass = No more than 5% of the measured openings exceed nominal plus the intermediate tolerance.
- 4. Does the sample pass the Advantech lower intermediate limit test\*? (\*Range lies within nominal ± intermediate tolerance value) Pass = Range of opening size measurements lies within nominal plus or minus the intermediate tolerance
- 5. Does the sample pass the wire diameter test? Pass = The average wire diameter lies within nominal plus or minus 15% of nominal.