

Ideal Sample Size Submission Guidelines

****Sizes listed are for ideal samples. Subsize samples are also available depending on the test.****

Contact Anderson Laboratories, Inc. today for further details.

Sample Type ^{A, B, C}	Bar	Casting	Plate ^D	Pipe / Tube <1.5" D	Pipe / Tube >1.5" D	Wire	Powder / Chips
Tensile Test	6" L	6" L	6" L x 6" W	12" L	6" L	18" L	N/A
Charpy Impact Test	7" L x 1" W	7" L x 1" W	6" L x 6" W	12" L	6" L	N/A	N/A
Macro Hardness (HRB, HRC, HBW)	1½" D	1½" D	1½" D	1½" L	1½" L	N/A	N/A
Microindentation Hardness (HK, HV)	1" D	1" D	1" D	1" L	1" L	1" L	N/A
Chemical Analysis – Dry (OES)	1½" D	1½" D	1½" D	1" L ^E	1" L	N/A	N/A
Chemical Analysis – Wet (ICP) ^F	10 g	10 g	10 g	10 g	10 g	10 g	10 g

Notes:

- A) Dimensions indicated require a continuous, uninterrupted surface or area
- B) Some tests may be possible with multiple sections of an equivalent area
- C) Sample size may also depend on the material specification
- D) Grain direction is important when submitting sheet or plate for testing; always mark grain direction on your sample with an arrow
- E) Pipe / Tube <3/16" in diameter will need to be analyzed using wet chemistry
- F) Submitted sample weight of clean metallic sample to be analyzed



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