

	<b>Buntrock Industries, Inc.</b> Investment Casting Supplies	Document#: 7.31
		Rev#: 0
	Title: Slurry Density – Graduated Cylinder Method	Page#: 1 of 1

Rev	Description of Change	Author	Date
0	Initial Release	Joe Norvell	2/6/14

1.0 Scope:

- 1.1 This procedure describes a method of determining the density of either water-based or alcohol-based slurries with the use of a 100 ml graduated cylinder.

2.0 Purpose:

- 2.1 Slurry density is a potential control parameter and is also used in calculating adjustments to slurries.

3.0 Hazard and Safety:

- 3.1 Consult the Material Safety Data Sheet (MSDS) for required handling procedures and Personal Protective Equipment (PPE) required.

4.0 Equipment:

- 4.1 Calibrated 100 ml graduated cylinder.
- 4.2 Balance capable of weighing to at least 0.1 grams.

5.0 Procedure:

- 5.1 Be sure the slurry to be tested is thoroughly mixed and homogenous.
- 5.2 Tare a clean, calibrated 100 ml graduated cylinder on balance.
- 5.3 Fill graduated cylinder with test sample.
- 5.4 Weigh full graduated cylinder and record value to nearest 0.1 grams.
- 5.5 Divide weight in grams by 100 to calculate the density in grams/milliliter.

6.0 Results:

- 6.1 Compare to internal controls.

7.0 References:

- 7.1 None.