

PCL Quality Control (QC) Lab

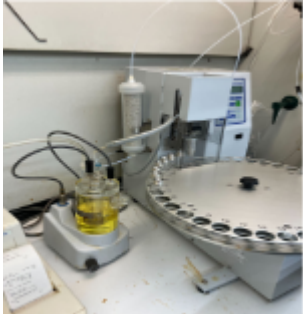
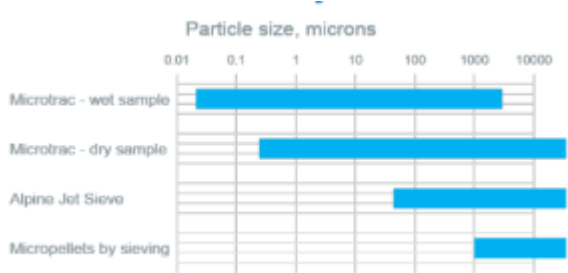
Principle

Quality

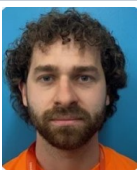
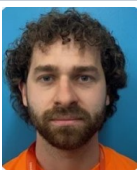
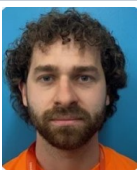
Capabilities

- Ash, Color and Moisture Analysis
- Particle and Pellet Size Analysis
- Ash, Moisture, Color, Particle Size, Pellet Quality, BET

Equipment

	Equipment Type	Information
	Ash Test By Microwave Furnace	- Standards: ASTM D5630, ISO 3451 - AP-RD-ASH-ASTM (700°C, 800°C, 850°C or 900°C) - AP-RD-ASH-ISO (600°C, 700°C, 750°C, 850°C or 950°C)
	Color Measurement	X-Rite Ci7800 and Ci7 Spectrophotometers - Color CIE L*a*b, CIE XYZ opaque samples: plaques (preferred), pellets and powder - Haze ASTM D1003 films or plaques - Gloss (calculated) - Transmittance ASTM D1003 films or plaques - Yellowness Index ASTM E313
	Moisture Content By Karl Fischer	- Standards: ASTM D6869 and ISO 15512B - Pellets, powder, parts - From low PPM to 100% of water
	Particle and Pellet Size Analysis	

	Microtrac S3500	• Laser Diffraction Particle Size Analyzer • Wet and Dry Sample
	Alpine Jet Sieve	• Quick and effective • Minimal static effect • Sieve sizes: 100, 120, 140, 170, 200, 270, and 325 mesh
	Sieve Analysis for Micropellets	• Sieves with pore sizes: 1.6, 1.4, 1.2, 1.0 mm
	Pellet Quality	• 250 ml Test Method for small black speck contamination. • 2000 ml Pellet Quality Test Method for all pellet quality items • Fines Inspection to quantify the weight % fines in a sample

Mission	Quality Control is our mission.														
Techniques	Quality Control •														
Team	Quality Control Lab - E1006 <table border="1" data-bbox="318 1318 1027 1728"> <thead> <tr> <th data-bbox="326 1325 472 1350"></th><th data-bbox="477 1325 846 1350">Contact</th><th data-bbox="850 1325 964 1350">Ext</th><th data-bbox="969 1325 1027 1350">Office</th></tr> </thead> <tbody> <tr> <td data-bbox="326 1356 472 1528">  </td><td data-bbox="477 1356 846 1528"> Jacob McClain QC Coordinator QC Lab </td><td data-bbox="850 1356 964 1528">770-772-8349</td><td data-bbox="969 1356 1027 1528">E1006</td></tr> <tr> <td data-bbox="326 1535 472 1728">  </td><td data-bbox="477 1535 846 1728"> Katia del Risco Hernandez QC Testing, Ash, Moisture, Particle Size Analysis </td><td data-bbox="850 1535 964 1728"></td><td data-bbox="969 1535 1027 1728">E1006</td></tr> </tbody> </table>				Contact	Ext	Office		Jacob McClain QC Coordinator QC Lab	770-772-8349	E1006		Katia del Risco Hernandez QC Testing, Ash, Moisture, Particle Size Analysis		E1006
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