



Combustible Dust Test Design Form

Client Contact Information

Name:	Title:		
Company:			
Address:	City:		
	State:	Zip Code:	
Telephone:	Alternate Telephone:		
Email:			

Sample Information

Sample Information		Sample Preparation Additional Options		
		Particle Size Reduction - ASTM Recommendation (95% <75 μm) Drying - ASTM Recommendation (<5wt% moisture)		
Sample Name	Quantity	Preparation Additional Fees May Apply	Add Service	Additional Sample
Sample 1		Particle Size Reduction	<input type="checkbox"/>	50% more*
		Drying	<input type="checkbox"/>	N/A
Sample 2		Particle Size Reduction	<input type="checkbox"/>	50% more*
		Drying	<input type="checkbox"/>	N/A
Sample 3		Particle Size Reduction	<input type="checkbox"/>	50% more*
		Drying	<input type="checkbox"/>	N/A
Sample 4		Particle Size Reduction	<input type="checkbox"/>	50% more*
		Drying	<input type="checkbox"/>	N/A
Sample 5		Particle Size Reduction	<input type="checkbox"/>	50% more*
		Drying	<input type="checkbox"/>	N/A

*The additional sample must be 50% of sample size listed below.

Test Options

Test Name	Result		Sample Size	Test	
Explosion Severity	K_{St}	$\left(\frac{dP}{dt}\right)_{max}$	P_{max}	750 g	<input type="checkbox"/>
Screening Test	Explosible (Y/N)		200 g	<input type="checkbox"/>	
Minimum Ignition Energy	MIE		150 g	<input type="checkbox"/>	
Minimum Auto-Ignition Temperature of Dust Cloud in Air	MAIT		80 g	<input type="checkbox"/>	
Minimum Explosible Concentration of Dust in Air	MEC		80 g	<input type="checkbox"/>	
Limiting Oxygen Concentration Test	LOC		200 g	<input type="checkbox"/>	
Hot-Surface Ignition Temperature of Dust Layer	HSIT		500 g	<input type="checkbox"/>	
Volume Resistivity and Measured Charge Relaxation Time	ohm-m	min	100 ml	<input type="checkbox"/>	
Electrostatic Charging Test	Q/m		200 g	<input type="checkbox"/>	
Explosibility 4-Pack	N/A		N/A	<input type="checkbox"/>	

For Lab Use Only		Job Number:	
Tests Completed:		Date Completed:	