Combustible Dust Test Design Form

Client Contact Information

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

Sample Information

Sample Name:
Quantity:

Sample Preparation Options

Preparation	Additional Fee	Specification	Additional Sample	Check if Desired
Particle Size Reduction	$350	ASTM Recommendation (95% < 75 µm)	50% more*	☐
Drying	N/A	ASTM Recommendation (< 5wt% moisture)	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}	500 g	☐
Screening Test	Explosible (Y/N)	200 g	☐
Minimum Ignition Energy	MIE	100 g	☐
Minimum Auto-Ignition Temperature of Dust Cloud in Air	MAIT	70 g	☐
Minimum Explosible Concentration of Dust in Air	MEC	80 g	☐
Limiting Oxygen Concentration Test	LOC	200 g	☐
Hot-Surface Ignition Temperature of Dust Layer	HSIT	500 g	☐
Volume Resistivity and Measured Charge Relaxation Time	ohm-m / min	100 ml	☐
Electrostatic Charging Test	Q/m	200 g	☐

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