

**Simulant Name:** DUST-Y Silicate Dust Simulant

**Simulant Type:** Physical

**Reference Material:** Generic silicate dust

**Mean Particle Size:** 7.9 microns



## Mineralogy

Composition is not fixed and is subject to change.

Plagioclase	-
Pyroxene	-
Basaltic Cinder	-

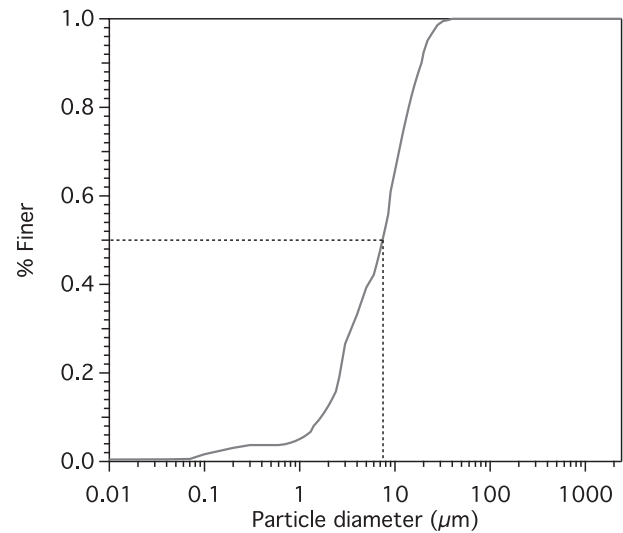
## Bulk Chemistry

Weight percent (XRF), subject to change.

SiO <sub>2</sub>	48.05
TiO <sub>2</sub>	0.53
Al <sub>2</sub> O <sub>3</sub>	16.92
Cr <sub>2</sub> O <sub>3</sub>	0.12
FeO <sub>T</sub>	7.47
MnO	0.09
MgO	17.02
CaO	7.45
Na <sub>2</sub> O	1.51
K <sub>2</sub> O	0.73
SO <sub>3</sub>	0.10
<b>Total</b>	<b>100</b>

## Particle Size Distribution

As measured on a Cilas 1190 Particle Size Analyzer



## Safety Information

See SDS for details. Primary hazard is dust inhalation; wear a respirator in dusty conditions.