

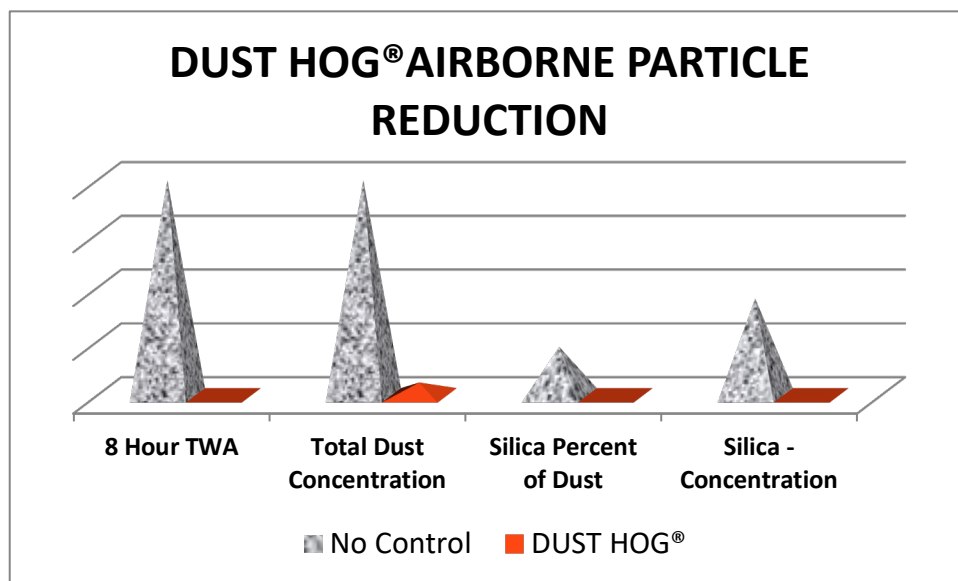
**DUST HOG®** reduces airborne dust, respirable dust and respirable silica TO UNDETECTABLE LEVELS. **DUST HOG®** provided 88\* to 100 percent reduction of airborne particles during batching and mixing packaged powder during a 3-1/2 hour construction project.

\* Minimum Percentage based on test method accuracy.

## DUST HOG® AIRBORNE PARTICLE REDUCTION

NIOSH/OSHA TEST RESULTS	No Control	<b>DUST HOG®</b>	Reduction
8 Hour Time Weighted Average	20 mcg/M3	<b>Zero mcg/M3</b>	<b>100%</b>
Respirable Dust - Amount	0.85 mg	Less than 0.05 mg <b>Undetectable</b>	<b>95* to 100 %</b>
Respirable Dust - Concentration	2.0 mg/M3	Less than 0.12 mg/M3 <b>Undetectable</b>	<b>94* to 100 %</b>
Measureable Airborne Silica %	4.5 Percent	<b>Undetectable</b>	<b>100%</b>
Airborne Silica - Amount	38 mcg	Less than 5 mcg <b>Undetectable</b>	<b>89* to 100 %</b>
Airborne Silica - Concentration	90 mcg/M3	Less than 12 mcg/M3 <b>Undetectable</b>	<b>88* to 100 %</b>

\* Minimum Percentage based on test method accuracy.



Particulate Testing in Compliance with current:  
 NIOSH Method 0500, Issue 2, 8/15/94  
 NIOSH Method 7500, Issue 4, 3/15/2003  
 NIOSH 7500/OSHA ID142

OSHA requirements are set by statute, standards and regulations. This test summary is an interpretation of these test results and how they apply to particular circumstances, but they cannot create or limit employer or user safety obligations. Note that OSHA enforcement compliance may be affected by changes to OSHA rules. From time to time, OSHA updates their guidance in response to new information. To keep apprised of changes, consult OSHA's website at <http://www.osha.gov>.



# EMSL Analytical, Inc.

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Phone/Fax: (800) 220-3675 /  
<http://www.EMSL.com> / [silicaLab@emsl.com](mailto:silicaLab@emsl.com)

EMSL Order ID: 722000271  
Customer ID: DUST75  
Customer PO:  
Project ID:

**Attn:** Dust Hog Pro LLC  
1866 Leithsville Rd #104  
Hellertown, PA 18055  
**Proj:** DUST HOG PRO

**Phone:**  
**Fax:**  
**Collected:** 02/01/2020  
**Received:** 02/07/2020  
**Analyzed:** 02/13/2020

## Test Report: Silica w/Total or Respirable Dust by NIOSH7500/OSHA ID142-All Species, AlphaQuartz, Cristobalite, Tridymite

Sample ID	Collected	Location / Description	Vol (L)	Respirable Dust (mg)	Respirable Dust Concentration (mg/m <sup>3</sup> )	Silica	% Silica	Weight (µg)	Conc. (µg/m <sup>3</sup> )	Analytical Sensitivity (µg/m <sup>3</sup> )
RPINIT 722000271-0001	2/1/2020	South Washington PPE	420.6	0.85	2.0	α-Quartz	4.5	38	90	12
						Cristobalite	N/A	<10	<24	24
						Tridymite	N/A	<10	<24	24
						<b>RCS</b>		38	90	
<b>Comment: TWA (8hr) = 20 ug/m3</b>										
DHENG C 722000271-0002	2/1/2020	South Washington Dust Hog PPE	429.9	<0.050	<0.12	α-Quartz	N/A	<5	<12	12
						Cristobalite	N/A	<10	<23	23
						Tridymite	N/A	<10	<23	23
						<b>RCS</b>		<10	<23	
<b>Comment: TWA (8hr) = 0 ug/m3</b>										
BLANK 722000271-0003	2/1/2020	Blank Control	N/A	<0.050	N/A	α-Quartz	N/A	<5	N/A	N/A
						Cristobalite	N/A	<10	N/A	N/A
						Tridymite	N/A	<10	N/A	N/A
						<b>RCS</b>		<10	N/A	

### Comment: Field Blank

Field Blank submitted with sample set. Results are not blank corrected.

### Analyst(s)

Katelynn Sweeney

Katherine Foster, Laboratory Manager  
or Other Approved Signatory

Any questions please contact Katherine Foster.

RCS = Respirable Crystalline Silica

The laboratory can only verify the concentration of silica on the filter and not the final concentration due to data obtained by non-laboratory personnel. This report only relate to the samples submitted. The laboratory can only verify the concentration of silica on the filter and not the final concentration due to data obtained by non-Laboratory Personnel. "<" means less than the stated value. The lowest reportable value is equivalent to the Analytical Sensitivity that is calculated from the lowest reproducible amount of specific mineral detectable by the instrument. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Accredited Lab 100194

Revised 2/25/20 to remove name and phone number from report



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**Fax:**  
**Collected:** 02/01/2020  
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## Test Report: Total Silica, Crystalline Analysis of Dust Performed by X-Ray Diffraction Via NIOSH Method 7500 (Modified), Issue 4, 3/15/2003 and Total Dust Analysis (Gravimetric) of Air Samples via NIOSH 0500, Issue 2, 8/15/94

QC Batch ID: 72Q200214-002

Collected	Location / Description	Vol (L)	Total Dust (mg)	Total Dust Concentration (mg/m <sup>3</sup> )	Silica	% Silica	Weight (µg)	Conc. (µg/m <sup>3</sup> )	Analytical Sensitivity (µg/m <sup>3</sup> )
		N/A	<0.050	N/A	α-Quartz	N/A	<5	N/A	N/A
Method Blank					Cristobalite	N/A	<10	N/A	N/A
					Tridymite	N/A	<10	N/A	N/A

### Analyst(s)

Katelynn Sweeney

Katherine Foster, Laboratory Manager  
or Other Approved Signatory

Any questions please contact Katherine Foster.

RCS = Respirable Crystalline Silica

The laboratory can only verify the concentration of silica on the filter and not the final concentration due to data obtained by non-laboratory personnel. This report only relate to the samples submitted. The laboratory can only verify the concentration of silica on the filter and not the final concentration due to data obtained by non-Laboratory Personnel. "<" means less than the stated value. The lowest reportable value is equivalent to the Analytical Sensitivity that is calculated from the lowest reproducible amount of specific mineral detectable by the instrument. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ AIHA-LAP, LLC--IHLAP Accredited Lab 100194

Revised 2/25/20 to remove name and phone number from report