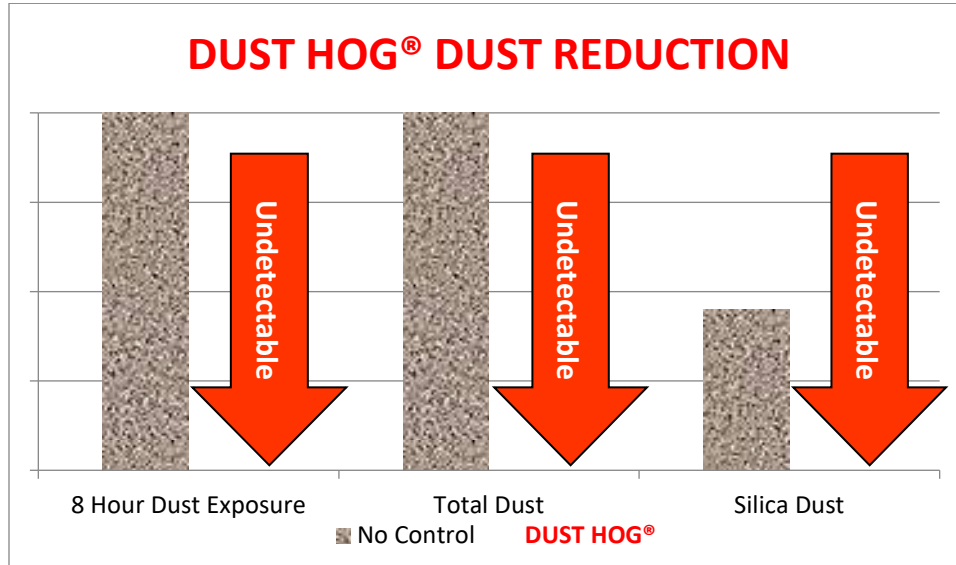




## Independent Lab Test Report

**DUST HOG®** reduces airborne dust, respirable dust and respirable silica TO UNDETECTABLE LEVELS. **DUST HOG®** effectiveness during batching and mixing packaged powder during a typical 3-1/2 hour construction project.



<b>DUST HOG® DUST REDUCTION</b>		
NIOSH/OSHA TEST RESULTS	No Control	<b>DUST HOG®</b>
8 Hour Time Weighted Average	20 mcg/M3	<b>Undetectable</b>
Respirable Dust - Amount	0.85 mg	<b>Undetectable</b>
Respirable Dust - Concentration	2.0 mg/M3	<b>Undetectable</b>
Measurable Airborne Silica %	4.5 Percent	<b>Undetectable</b>
Airborne Silica - Amount	38 mcg	<b>Undetectable</b>
Airborne Silica - Concentration	90 mcg/M3	<b>Undetectable</b>
<b>* NIOSH 0500, NIOSH 7500, and NIOSH 7500/OSHA ID142</b>		

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. To keep apprised of changes, consult OSHA's website at <http://www.osha.gov>.



**EMSL Analytical, Inc.**

200 Route 130 North Cinnaminson, NJ 08077  
 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  
 71 Commercial Street, Suite 118  
 Boston, MA 02109 USA

Phone: (704) 698-7135  
 Fax:  
 Collected: 02/01/2020  
 Received: 02/07/2020  
 Analyzed: 02/13/2020

Proj: DUST HOG PRO

**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

Initial report from: 02/18/2020 12:12:56



**EMSL Analytical, Inc.**  
 200 Route 130 North Cinnaminson, NJ 08077  
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Phone: (704) 698-7135  
 Fax:  
 Collected: 02/01/2020  
 Received: 02/07/2020  
 Analyzed: 02/13/2020

Proj: DUST HOG PRO

**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> )
Method Blank		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

**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

Initial report from: 02/18/2020 12:12:56