



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 /
<http://www.EMSL.com> / IndustrialHygienelab@emsl.com

EMSL Order ID: 281705513
Customer ID: MISC-ACCT
Customer PO: CC-059822
Project ID:

Attn: Joel Beaton

1060 West Water Street
Elmira, NY 14905

Phone: (607) 207-3890
Fax:
Collected: 11/25/2017
Received: 11/28/2017
Analyzed: 12/01/2017

Proj:

**Test Report: Respirable Silica, Crystalline Analysis of Air Samples Performed by X-Ray Diffraction
and Respirable Dust Analysis (Gravimetric) of Air Samples NIOSH 0600, Issue 3, 1/15/98
Via NIOSH Method 7500 (Modified), Issue 4, 3/15/2003**

XRD-Silica

Sample ID	Collected	Location / Description	Volume (:)	Respirable Dust (mg) (mg/m ³)	Silica	% Silica	Weight (mg)	Conc. (mg/m ³)	Analytical Sensitivity (mg/m ³)
#1 281705513-0001	11/25/2017	Elmira, NY	600	<0.050 <0.050	α -Quartz	N/A	<0.005	<0.005	0.005
					Cristobalite	N/A	<0.010	<0.010	0.010
					Tridymite	N/A	<0.010	<0.010	0.010

Comment: Customer

Analyst(s)

Katherine Foster

Scott Van Etten, CIH, Laboratory Manager
or Other Approved Signatory

Any questions please contact Scott VanEtten.

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. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical - Industrial Hygiene Cinnaminson, NJ

Initial report from: 12/04/2017 13:29:07



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QC Batch ID: 28Q171204-030

XRD-Silica

Collected	Location / Description	Volume (:)	Respirable Dust (mg) (mg/m ³)	Silica	% Silica	Weight (mg)	Conc. (mg/m ³)	Analytical Sensitivity (mg/m ³)
Method Blank			<0.050 N/A	α -Quartz	N/A	<0.005		N/A
				Cristobalite	N/A	<0.010		N/A
				Tridymite	N/A	<0.010		N/A

Reference Standards	% Silica	Weight (mg)	Conc. (mg/m ³)	Analytical Sensitivity (mg/m ³)
α -Quartz (0.250 mg)	N/A	0.207		N/A
α -Quartz (0.005 mg)	N/A	0.005		N/A
Cristobalite (0.010 mg)	N/A	0.010		N/A

Analyst(s)

Katherine Foster

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