

## PHASE CONTRAST MICROSCOPY (PCM) ANALYSIS REPORT – 0.05 LEVEL

<b>Project No.:</b>	OHE: 21680 UofT: P005-16-152-MSB Labs & Support Rooms Renovation Project	<b>Work Area</b>	7 <sup>th</sup> Floor – Rooms 7319, 7319A  6 <sup>th</sup> Floor – Room 6236
<b>Client:</b>	University of Toronto (JLL)	<b>Shift Date:</b>	April 5, 2018
<b>Project Location:</b>	Medical Sciences Building, 1 King's College Circle, Toronto, Ontario	<b>Contractor:</b>	Biggs & Narciso Construction Services Inc.

Sample #	Sampling Date	Sampling Location	Sampling Time (From To)	Total Sampling Time (minutes)	Air Volume Sampled (Liters)	Fibre Concentration (f/cm <sup>3</sup> )
21680-1914	Apr 5, 2018	Ambient: 7 <sup>th</sup> Floor, Room 7321, adjacent to the Work Area (Rooms 7319, 7319A)	7:00 PM – 9:00 PM	120	1814.16	<0.05
21680-1915	Apr 5, 2018	Ambient: 7 <sup>th</sup> Floor, Room 7318, adjacent to the Work Area (Rooms 7319, 7319A)	7:03 PM – 9:03 PM	120	1807.20	<0.05
21680-1916	Apr 5, 2018	Ambient: 7 <sup>th</sup> Floor, Corridor 7324K, adjacent to Room 7323, adjacent to the Work Area (Rooms 7319, 7319A)	7:05 PM – 9:05 PM	120	1804.08	<0.05
21680-1917	Apr 5, 2018	Ambient: 6 <sup>th</sup> Floor, Room 6317, floor below the Work Area (Rooms 7319, 7319A)	7:08 PM – 9:08 PM	120	1820.88	<0.05
21680-1918	Apr 5, 2018	Ambient: 6 <sup>th</sup> Floor, Corridor 6324K, adjacent to Room 6323, floor below the Work Area (Rooms 7319, 7319A)	7:10 PM – 9:10 PM	120	1806.60	<0.05
21680-1919	Apr 5, 2018	Ambient: 6 <sup>th</sup> Floor, Corridor 6239K, adjacent to Room 6238, adjacent to the Work Area (Room 6236)	10:05 PM – 11:07 PM	62	937.32	<0.05
21680-1920	Apr 5, 2018	Ambient: 7 <sup>th</sup> Floor, Corridor 7239K, adjacent to Room 7238, floor above the Work Area (Room 6236)	10:08 PM – 11:09 PM	61	917.07	<0.05

*The concentration of airborne fibers should be less than 0.05 f/cm<sup>3</sup> for an area to be considered suitable for occupancy.*

### General Notes:

1. Samples were collected on a cellulose ester membrane filter with 0.8 micrometre pore size and 25 millimetre diameter. The filter was mounted inside a three piece filter cassette with two inch conductive cowl.
2. Collection and analysis of the air samples was performed by Phase Contrast Microscopy (PCM) in accordance with NIOSH method # 7400A.
3. Limit of Detection (LOD) is 7 fibres/mm<sup>2</sup>; Limit of Quantitation (LOQ) is 100 fibres/mm<sup>2</sup>; " < " denotes less than
4. Sampling pumps are calibrated before and after the sampling period. The flow rate used to determine the volume presented on this report is the average of the two flow measurements.
5. Samples will be retained for 90 days after receipt and will be disposed of thereafter unless otherwise notified in writing
6. f/cm<sup>3</sup> – fibers per cubic centimeter of ambient air.

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