

## 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 7331, 7331A; 7347  6 <sup>th</sup> Floor – Room 6337, 6331  4 <sup>th</sup> Floor – 4361
<b>Client:</b>	University of Toronto (JLL)	<b>Shift Date:</b>	April 10, 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> )
21680-1946	Apr 10, 2018	Ambient: 7 <sup>th</sup> Floor, Corridor 7347, adjacent to Room 7331, adjacent to the Work Area (Rooms 7331, 7331A)	7:20 PM – 9:20 PM	120	1814.16	<0.05
21680-1947	Apr 10, 2018	Ambient: 6 <sup>th</sup> Floor, Corridor 6324K, adjacent to Room 6331, adjacent the Work Area (Rooms 6331, 6337)	7:25 PM – 9:25 PM	120	1807.20	<0.05
21680-1948	Apr 10, 2018	Ambient: 4 <sup>th</sup> Floor, Room 4361, adjacent the Work Area (Room 4361)	7:35 PM – 9:35 PM	120	1804.08	<0.05
21680-1949	Apr 10, 2018	Ambient: 4 <sup>th</sup> Floor, Corridor 4369K, adjacent to Room 4361, adjacent to the Work Area (Room 4361)	7:38 PM – 9:38 PM	120	1820.88	<0.05
21680-1950	Apr 10, 2018	Ambient: 7 <sup>th</sup> Floor, Corridor 7347K, adjacent to Room 7347, adjacent to the Work Area (Room 7347)	7:12 PM – 9:12 PM	120	1806.60	<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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