

## 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>	3 <sup>rd</sup> Floor – Corridor 3348K, Adjacent to Room 3345  6 <sup>th</sup> Floor – Corridor 6348K, Adjacent to Room 6340
<b>Client:</b>	University of Toronto (JLL)	<b>Shift Date:</b>	April 7, 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> )
21680-1931	Apr 7, 2018	Ambient: 3 <sup>th</sup> Floor, Corridor 3348K, Adjacent to Room 3345, adjacent to the Work Area (Room 3349)	12:03 PM – 1:03 PM	60	907.08	<0.05
21680-1932	Apr 7, 2018	Ambient: 6 <sup>th</sup> Floor, Corridor 6348K, Adjacent to Room 6340, adjacent to the Work Area (Room 6341)	12:09 PM – 1:09 PM	60	903.6	<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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