

PHASE CONTRAST MICROSCOPY (PCM) ANALYSIS REPORT – 0.05 LEVEL

Project No.:	OHE: 21680 UofT: P005-16-152-MSB Labs & Support Rooms Renovation Project	Work Area	7 th Floor – Rooms 7319, 7319A 6 th Floor – Room 6236
Client:	University of Toronto (JLL)	Shift Date:	April 6, 2018
Project Location:	Medical Sciences Building, 1 King's College Circle, Toronto, Ontario.	Contractor:	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 ³)
21680-1921	Apr 6, 2018	Ambient: 7 th Floor, Room 7321, adjacent to the Work Area (Rooms 7319, 7319A)	5:57 PM – 6:57 PM	60	907.08	<0.05
21680-1922	Apr 6, 2018	Ambient: 7 th Floor, Room 7318, adjacent to the Work Area (Rooms 7319, 7319A)	6:01 PM – 7:02 PM	61	918.66	<0.05
21680-1923	Apr 6, 2018	Ambient: 7 th Floor, Corridor 7324K, adjacent to Room 7323, adjacent to the Work Area (Rooms 7319, 7319A)	6:04 PM – 7:07 PM	63	947.14	<0.05
21680-1924	Apr 6, 2018	Ambient: 6 th Floor, Room 6317, floor below the Work Area (Rooms 7319, 7319A)	6:08 PM – 7:18 PM	70	1062.18	<0.05
21680-1925	Apr 6, 2018	Ambient: 6 th Floor, Corridor 6324K, adjacent to Room 6323, floor below the Work Area (Rooms 7319, 7319A)	6:11 PM – 7:14 PM	63	948.46	<0.05
21680-1926	Apr 6, 2018	Ambient: 6 th Floor, Corridor 6239K, adjacent to Room 6230, adjacent to the Work Area (Room 6236)	7:22 PM – 8:22 PM	60	910.44	<0.05
21680-1927	Apr 6, 2018	Ambient: 6 th Floor, Corridor 6239K, adjacent to Room 6245, adjacent to the Work Area (Room 6236)	7:16 PM – 8:16 PM	60	903.30	<0.05
21680-1928	Apr 6, 2018	Ambient: 7 th Floor, Room 7238, floor above the Work Area (Room 6236)	7:00 PM – 8:00 PM	60	907.08	<0.05
21680-1929	Apr 6, 2018	Ambient: 7 th Floor, Corridor 7239K, adjacent to Room 7242, floor above the Work Area (Room 6236)	7:05 PM – 8:05 PM	60	903.60	<0.05
21680-1930	Apr 6, 2018	Ambient: 5 th Floor, Corridor 5246K, adjacent to room 5238, floor below the Work Area (Room 6236)	7:11 PM – 8:11 PM	60	902.04	<0.05

The concentration of airborne fibers should be less than 0.05 f/cm³ for an area to be considered suitable for occupancy.

General Notes:

- 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.
- Collection and analysis of the air samples was performed by Phase Contrast Microscopy (PCM) in accordance with NIOSH method # 7400A.
- Limit of Detection (LOD) is 7 fibres/mm²; Limit of Quantitation (LOQ) is 100 fibres/mm²; " < " denotes less than
- 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.



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5. Samples will be retained for 90 days after receipt and will be disposed of thereafter unless otherwise notified in writing
6. f/cm³ – fibers per cubic centimeter of ambient air.

Air samples collected by: Shahab Ashkevari, Jr. Project Specialist

Analyst: Salim Sayed, Project Consultant and Shahab Ashkevari, Jr. Project Specialist