

PHASE CONTRAST MICROSCOPY (PCM) ANALYSIS REPORT – 0.01 LEVEL

Project No.:	OHE: 21680 U of T: P005-16-152 MSB Labs & Support Rooms Renovation Project	Work Area:	6 th Floor - Room 6236 7 th Floor - Room 7319A, 7319
Client:	University of Toronto (JLL)	Shift Date:	April 9, 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)
21680-1933	April 9, 2018	Clearance: Room 7319 - Bottom Section, Inside the Enclosure	11:00 - 14:00	180	2,709.54	<0.01
21680-1934	April 9, 2018	Clearance: Room 7319 - Top East Section, Inside the Enclosure	11:00 - 14:00	180	2,706.12	<0.01
21680-1935	April 9, 2018	Clearance: Room 7319 - Top West Section, Inside the Enclosure	11:00 - 14:00	180	2,731.32	<0.01
21680-1936	April 9, 2018	Clearance: Room 6236 - Bottom Section, Inside the Enclosure	11:20 - 14:20	180	2,723.4	<0.01
21680-1937	April 9, 2018	Clearance: Room 6236 - Top West Section, Inside the Enclosure	11:20 - 14:20	180	2,867.4	<0.01
21680-1938	April 9, 2018	Clearance: Room 6236 - Top East Section, Inside the Enclosure	11:20 - 14:20	180	2,709.9	<0.01
21680-1939	April 9, 2018	Field Blank	-	-	-	<LOD
21680-1940	April 9, 2018	Field Blank	-	-	-	<LOD

The concentration of airborne fibers should be less than 0.01 f/cm³ for an area to be considered suitable for public 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/mm²; Limit of Quantitation (LOQ) is 100 fibres/mm²; " < " 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/cm³ – fibers per cubic centimeter of ambient air.

Analyst: Christopher Atwell, Junior Project Specialist