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:**	6th Floor – Room 6331, 6337
Client:	University of Toronto (JLL)	**Shift Date:**	April 5, 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)
21680-1909	April 5, 2018	Clearance: South Section, Inside the Enclosure	10:06 pm – 1:06 pm	180	2721.24	<0.01
21680-1910	April 5, 2018	Clearance: East Section, Inside the Enclosure	10:06 pm – 1:06 pm	180	2710.8	<0.01
21680-1911	April 5, 2018	Clearance: West Section, Inside the Enclosure	10:06 pm – 1:06 pm	180	2709.9	<0.01
21680-1912	April 5, 2018	Field Blank	-	-	-	<LOD
21680-1913	April 5, 2018	Field Blank	-	-	-	<LOD

The concentration of airborne fibers should be less than 0.01 f/cm^3 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/mm^2; Limit of Quantitation (LOQ) is 100 fibres/mm^2; " < " 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^3 – fibers per cubic centimeter of ambient air.

Analyst: Shahab Ashkevari, Junior Project Specialist