

Lakehead University JOHS Labs and Studios Inspection Checklist

Inspector Definitions

1.4 Acceptable quantity flammables in lab and solvent/flammable cabinet

- OFC 4.12.3** (1) Except as provided in Sentence 4.2.6.4.(1), containers used for the storage of **flammable** or **combustible liquids** in a laboratory shall be of not more than 5 L capacity and shall conform to Subsection 4.2.3.
- (2) Except as permitted in Sentence (3), not more than 300 L of **flammable** and **combustible liquids**, of which not more than 50 L shall be **flammable liquids**, shall be permitted in the open area of a laboratory.

***Inspector's Rule of Thumb* - the volume of solvents stored in an open part of a laboratory, should not exceed one day's usage.**

1.5 No solvent storage near exit

Not regulated, except through Fire Marshal Inspections.

***Inspector's rule of thumb* is at least 3 metres from exits.**

1.6 Flammable cabinet condition

OFC 4.2.10.2. The maximum quantity of **flammable** and **combustible liquids** stored in a cabinet shall be 500 L, of which not more than 250 L shall be Class I liquids.

- OFC 4.2.10.5.**(1) Storage cabinets required in this Part shall
- conform to ULC-C1275, "Storage Cabinets for Flammable Liquid Containers",
 - conform to ULI 1275, "Flammable Liquid Storage Cabinets",
 - be Factory Mutual Research Approved, or
 - be **listed** as meeting NFPA 30.

Check for structural stability, doors that can properly close, no holes rusted through to the exterior of the cabinet.

1.14 Compressed Gas Cylinder number appropriate for use

LU Policy Number of gas cylinders needed for use, no cylinder storage in labs (empty or full).

3.8 Clean

Check for broken glass, chemical residue, other obstructions that may pose personal or community risk.

3.10 Soap available

Not a requirement, however it is a good point to raise during the inspection, as it is good lab practices, required in labs where Biohazards are used.

3.12 Backflow preventer

Not a requirement for existing systems, although many have been converted.