



## **High Performance Liquid Chromatography (HPLC) Certificate** **(In-Person)**

### **Certificate Program Overview**

High Performance Liquid Chromatography (HPLC) is an analytical technique for separating organic compounds in order to analyze their properties. HPLC is utilized in many industries such as biological, pharmaceutical, food, environmental and cannabis to analyze samples.

HPLC is a very popular instrument for compound analysis since it is simple to learn and easy to use. Modern HPLC are applied in quality control (QC) and research and development (R&D) to separate, identify, purify and quantify compounds. In the pharmaceutical industry, it is commonly used to quantify the active pharmaceutical ingredient (API) or label claim (LC). In the cannabis industry, HPLC is the primary instrument to determine %THC, %THCA, %CBD and %CBDA.

The HPLC training certificate program at AAPS prepares students by providing hands-on practical skills necessary to perform HPLC analysis.

### **Certificate Program Outline**

- Introduction to High Performance Liquid Chromatography (HPLC) principles
- Preparation of mobile phase, samples and standards
- Perform system suitability analysis
- Column setup and troubleshooting
- HPLC identification, assay and impurities tests
- Operations of Agilent and Waters HPLC system
- Navigation through Empower 3 software
- Introduction to method validation and technology transfer

*Note: Course outline is subject to change without notice. Please check back regularly for updates.*



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### **Who Should Attend**

This course is intended for those who are interested in operating HPLC; as a technician, analyst or managers looking to work or setup an analytical laboratory. No previous laboratory experience is required for this workshop.

Completing a HPLC Training certificate program at AAPS means that a wide range of careers in the pharmaceutical, food and cannabis industry will can be available. Employers in every sector know that they can count on the experience and skills of AAPS graduates for positions including:

- Pharmaceutical Laboratory Technician
- Quality Control and Assurance Analyst
- Medical Manufacturing Quality Control Manager
- Analytical Chemist
- Associate Scientist
- Research Quality Control
- HPLC Analyst



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### **Program Details**

<b>Program Tuition Fees</b>	<b>Duration</b>	<b>Mode</b>
CAD \$3,950	12 Weeks	In-class Lab

### **Course Outline**

	<b>Course</b>	<b>Code</b>	<b>Cost</b>
1	Introduction to HPLC (Level I)	PLC1002	CAD \$1,095
2	Advanced HPLC (Level II)	PLC2002	CAD \$1,095
3	HPLC Method Validation and Technology Transfer (Level III)	PLC3002	CAD \$1,095
4	HPLC Analytical Method Development (Level IV)	PLC4002	CAD \$1,095