

Report on Visit to Anchrom Enterprise Pvt. Ltd. for CAMAG- HPTLC Training

September 17, 2021



**Prepared by: M.Pharm (PQA) Final year
Maliba Pharmacy College, Bardoli**



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Date of visit	September 17, 2021
Place of training	Anchrom Enterprises Pvt. Ltd, Mulund, Mumbai-400081
Coordinators from college	Dr. Pintu Prajapati Mr. Praful Dedhiya
Approved by	Dr. Shailesh .A. Shah, Principal
Participating students	Six Students from Third semester M.Pharm, Pharmaceutical Quality Assurance <ol style="list-style-type: none">1. Jesika Merchant2. Purvi Gharasiya3. Shraddha Chaudhari4. Aneri Acharya5. Hetal Ahir6. Shubhangi Patel
Accompanying faculty member	Mr. Praful Dedhiya
Coordinators from Anchrom	Ms. Supriya Fendre Lab Co-Ordinator Contact no. 9833830895 Mr. Ramakant Yadav Application Chemist Dr. Saikat Mallick Assistant Manager (Development) Contact no. 08291101567

On 17th Sept, 2021, the students of Third semester M.Pharm (PQA) with one faculty member visited Anchrom Enterprises Pvt. Ltd, at Mulund, Mumbai who is a leading CAMAG HPTLC instrument supplier in India, from CAMAG Switzerland with applications in Pharma, Forensics, Foods, Chemicals, etc.

We left at 3:00 am from Surat and reached Mumbai at 10:30 am. As we arrived at the Anchrom, the Covid-19 formalities was done as per the company's protocol and then we had tea and biscuits. Then we were taken to the audio-visual room and introduced to Mr. Ramakant Yadav, Application Chemist Anchrom. Whole training was conducted by him which was divided into two sessions. The first session was presentation on HPTLC and second session was of demonstration.



They gave a detailed introduction of HPTLC methods and instruments along with references of some books for more detailed information. After finishing up the presentation we went for a short break and they had arranged a delicious lunch for us. After a short break, second session of demonstration started with working of all HPTLC instruments which are: -

Automatic TLC Sampler-4 (ATS-4)

CAMAG HPTLC Scanner

CAMAG HPTLC Derivatizer

CAMAG HPTLC- MS Interface

Developer-

- Automatic Multiple Development Chamber 2 (AMD 2)
- Automated Developing Chamber 2 (ADC 2)

HPTLC Pro System

Vision CAT software

Automatic TLC Sampler-4 (ATS-4): -

It is a fully automated sample applicator into TLC and HPTLC plates. Sample can be applied as bands, spots or rectangles using the spray on technique.

**CAMAG AMD-2: -**

It is a software controlled HPTLC chamber for gradient development. It is used for difficult separation problems that cannot be solved by isocratic HPTLC.

CAMAG ADC-2: -

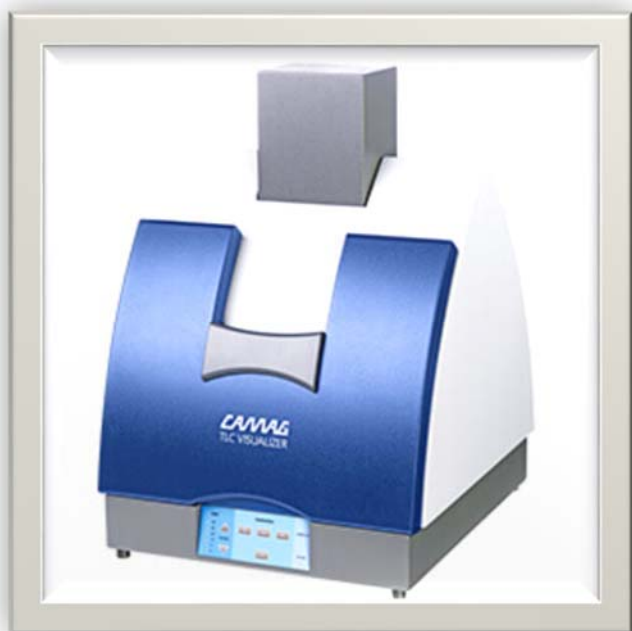
It offers the activity and pre-conditioning of the layer, chamber saturation, developing distance and final drying can be preset and automatically monitored by the ADC-2.

CAMAG TLC Scanner 4: -

It is the most advanced workstation for densitometric evaluation of TLC and HPTLC chromatograms. The spectral range of light 190-900nm is available for selecting single or multiple wavelengths for scanning densitometry. Detection of analyte is done with optimized specificity and sensitivity of the detection.

CAMAG Derivatizer: -

It is used for automated reagent



CAMAG TLC Visualizer 2: -

It is used for professional imaging and documentation system for TLC/ HPTLC chromatograms and other planar objects with a state-of-the-art digital CCD camera, connected by USB 3.0

HPTLC Pro Module Application: -

It has a capacity of up to 75vials, the module application is designed for autonomous application of multiple samples on up to five different plates. Laser controlled application of a sample at optimal spraying distance and dosage speed vary, ensuring a highly precise application of samples as narrow bands and avoids cross contamination. The syringe is cleaned after each application of a sample. The built-in conveyor transports an applied HPTLC glass plates from the module application to the module development.

After ending up with the demonstration of the instrument our test was taken by them in MCQ format and training certificate were given to us. And then we had a lovely photo session. With this we left for home at 5:00pm with the lovely memories of the extremely informative Industry visit.

