CERTIFICATE COURSE



B. K. Birla College of Arts, Science and Commerce (Autonomous), Kalyan

Department of Chemistry

NOTICE

Date: 29/11/2021

All the students of any faculty are hereby informed that Department of Chemistry is offering a Certificate Course in "Industrial Chemical Analysis" for the second semester of A.Y.2021-22.

All interested students can give their names to Mr. B. V. Pathare, Course Coordinator for registration and further information on or before 10/01/2022.

Mr. B. V. Pathare

Course Coordinator

Dr. V. R. Khairnar

Head of Department

B. K. Birla College of Arts, Science & Commerce (Autonomous), Kalyan

Department of Chemistry

Certificate Course in Industrial Chemistry

2021-22

Sr. No.	Heading	Particulars	
1	Title of Course	Certificate Course in Industrial Chemical Analysis	
2	Eligibility for Admission	12 th Science pass	
3,	Duration	30 Hrs (Theory- 15 Hrs, Practical- 15 Hrs)	
4.	Total Credit	2 (Theory- 1 credits, Practical- 1)	
5.	Course fees	Rs. 500 /-	

Theory:

- Analysis of Industrial water
 Synthesis and analysis of 1. Aspirin 2. Paracetamol
 Spectroscopic techniques in the pharmaceutical and bioanalysis (UV, IR and NMR)
 Analytical techniques likes chromatography(HPLC and GC)
- Chemical Calculations

Practicals:

- Preparation of solutions of various concentrations by using analytical balances.
- Thin layer chromatography
- > Determine iron content in given sample by UV-Vis spectrophotometer
- Determine amount of residual chlorine present in drinking water
- To determine the percentage of Na₂CO₃ and NaOH in a mixture by fitration against a Standard strong acid by two indicators
- Preparation and Characterization of Aspirin.

- 1. To infuse in the learner a spirit of inquiry into the fundamental aspects of the various core areas of Industry.
- To make the learner proficient in analysing the various observations and chemical phenomena presented to
- him during the course. 3. To make the learner capable of solving problems.
- 3. To make the learner an opportunity to get hands on experience of the various concepts and processes in the
- 5. To impart various skills of handling chemicals, reagents, apparatus, instruments and the care and safety aspects involved in such handling
- 6. To make the learner capable of analysing and interpreting results of the experiments he conducts or
- 7. To make the learner capable of acquiring or pursuing a source of livelihood like jobs in chemical industry performs
- 8. To arouse the interest to pursue higher levels of learning in chemistry

B. K. Birla College of Arts, Science & Commerce (Autonomous), Kalyan

Department of Chemistry

Certificate Course in Industrial Chemical Analysis Academic Year- 2021-22

Sr. No	Name
1	Darshan Prashant Khedkar
2	Sai Rajendra Dongare
3	Tejaswini Sanjay Chavan
4	Khan Abdul Qadir Abdul Samad
5	Shivansh Singh
6	Priya Dinkar Yadav
7	Mishra Abhishek Jagdish
8	Dishanka Ankush Tambade
9	Sayyed Alia Amjad Basari
10	Sayyed Sadaf Aira Mohamed
11	Sonal Dwarkanath Sante
12	Arshia Akhatar Sayyed
13	Gaurav Soni
14	Lalit Sadashiv Thakare
15	Kinjal Nilesh Dugade
16	Shweta Santosh Jikamade
17	Aniket Mishra
18	Ashish Ashok Gautam
19	Aaisha Parveen
20	Pooja Tiwari
21	Jagat Premsingh
22	Prateek Premanandhan R.
23	Vedant Anil Patil
24	Neha S. Pawar
25	Purva Jalindar Londhe
26	Shruti Santosh Mishra

Certificate Course in Industrial Chemical Analysis (2021-22) Attendance Sheet

Sr.	Name	01/01/22	02/01/22	15-101/22
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Certificate Course in Industrial Chemical Analysis (2021-22)

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Certificate Course in Industrial Chemical Analysis (2021-22)

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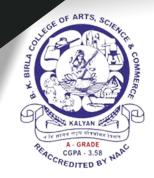
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B. K. Birla College of Arts, Science & Commerce (Autonomous), Kalyan Department of Chemistry Certificate Course in Industrial Chemical Analysis (2021-22):

Attendance Sheet

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CERTIFICATE

of completion

WE ARE PROUDLY PRESENT THIS TO

Darshan Prashant Khedkar

WHO HAS SUCCESSFULLY COMPLETED 30 HOURS TRAINING IN CERTIFICATE COURSE ON INDUSTRIAL CHEMICAL ANALYSIS, CONDUCTED BY DEPARTMENT OF CHEMISTRY FOR THE YEAR 2021-22

(g).

Mr. B.V Pathare
Course Coordinator

Dr. V.R Khairnar Head of the Department



CERTIFICATE

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WE ARE PROUDLY PRESENT THIS TO

Sai Rajendra Dongare

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Tejaswini Sanjay Chavan

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Mr. B.V Pathare
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Dr. V.R Khairnar
Head of the Department

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WE ARE PROUDLY PRESENT THIS TO

Khan Abdul Qadir Abdul Samad

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WE ARE PROUDLY PRESENT THIS TO

Shivansh Singh

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Mr. B.V Pathare

Course Coordinator

D. V.D. Klasima

Dr. V.R Khairnar Head of the Department in.



CERTIFICATE

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WE ARE PROUDLY PRESENT THIS TO

Priya Dinkar Yadav

WHO HAS SUCCESSFULLY COMPLETED 30 HOURS TRAINING IN CERTIFICATE COURSE ON INDUSTRIAL CHEMICAL ANALYSIS, CONDUCTED BY DEPARTMENT OF CHEMISTRY FOR THE YEAR 2021-22

(9)

Mr. B.V Pathare
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Head of the Department

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WE ARE PROUDLY PRESENT THIS TO

Mishra Abhishek Jagdish

WHO HAS SUCCESSFULLY COMPLETED 30 HOURS TRAINING IN CERTIFICATE COURSE ON INDUSTRIAL CHEMICAL ANALYSIS, CONDUCTED BY DEPARTMENT OF CHEMISTRY FOR THE YEAR 2021-22

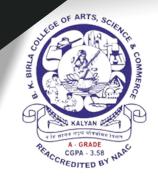
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Mr. B.V Pathare
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Dr. V.R Khairnar

Head of the Department

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Dishanka Ankush Tambade

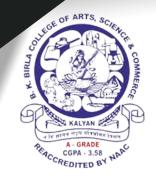
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Mr. B.V Pathare

Course Coordinator

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Dr. V.R Khairnar Head of the Department in.



CERTIFICATE

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WE ARE PROUDLY PRESENT THIS TO

Sayyed Alia Amjad Basari

WHO HAS SUCCESSFULLY COMPLETED 30 HOURS TRAINING IN CERTIFICATE COURSE ON INDUSTRIAL CHEMICAL ANALYSIS, CONDUCTED BY DEPARTMENT OF CHEMISTRY FOR THE YEAR 2021-22

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Mr. B.V Pathare
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Dr. V.R Khairnar
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WE ARE PROUDLY PRESENT THIS TO

Sayyed Sadaf Aira Mohamed

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Gui.

Mr. B.V Pathare
Course Coordinator

Dr. V.R Khairnar Head of the Department ·wy.



CERTIFICATE

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WE ARE PROUDLY PRESENT THIS TO

Sonal Dwarkanath Sante

WHO HAS SUCCESSFULLY COMPLETED 30 HOURS TRAINING IN CERTIFICATE COURSE ON INDUSTRIAL CHEMICAL ANALYSIS, CONDUCTED BY DEPARTMENT OF CHEMISTRY FOR THE YEAR 2021-22

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Mr. B.V Pathare
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Dr. V.R Khairnar

Head of the Department

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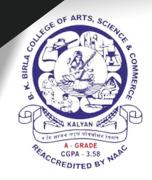
Arshia Akhatar Sayyed

WHO HAS SUCCESSFULLY COMPLETED 30 HOURS TRAINING IN CERTIFICATE COURSE ON INDUSTRIAL CHEMICAL ANALYSIS, CONDUCTED BY DEPARTMENT OF CHEMISTRY FOR THE YEAR 2021-22

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Mr. B.V Pathare
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Dr. V.R Khairnar Head of the Department in.



CERTIFICATE

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WE ARE PROUDLY PRESENT THIS TO

Gaurav Soni

WHO HAS SUCCESSFULLY COMPLETED 30 HOURS TRAINING IN CERTIFICATE COURSE ON INDUSTRIAL CHEMICAL ANALYSIS, CONDUCTED BY DEPARTMENT OF CHEMISTRY FOR THE YEAR 2021-22

Mr. B.V Pathare

Course Coordinator

D V D KI :

Dr. V.R KhairnarHead of the Department

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CERTIFICATE

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WE ARE PROUDLY PRESENT THIS TO

Lalit Sadashiv Thakare

WHO HAS SUCCESSFULLY COMPLETED 30 HOURS TRAINING IN CERTIFICATE COURSE ON INDUSTRIAL CHEMICAL ANALYSIS, CONDUCTED BY DEPARTMENT OF CHEMISTRY FOR THE YEAR 2021-22

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Mr. B.V Pathare
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Dr. V.R Khairnar Head of the Department in.



CERTIFICATE

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WE ARE PROUDLY PRESENT THIS TO

Kinjal Nilesh Dugade

WHO HAS SUCCESSFULLY COMPLETED 30 HOURS TRAINING IN CERTIFICATE COURSE ON INDUSTRIAL CHEMICAL ANALYSIS, CONDUCTED BY DEPARTMENT OF CHEMISTRY FOR THE YEAR 2021-22

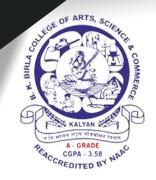
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Mr. B.V Pathare
Course Coordinator

Dr. V.P. Khairna

Dr. V.R KhairnarHead of the Department

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CERTIFICATE

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WE ARE PROUDLY PRESENT THIS TO

Shweta Santosh Jikamade

WHO HAS SUCCESSFULLY COMPLETED 30 HOURS TRAINING IN CERTIFICATE COURSE ON INDUSTRIAL CHEMICAL ANALYSIS, CONDUCTED BY DEPARTMENT OF CHEMISTRY FOR THE YEAR 2021-22

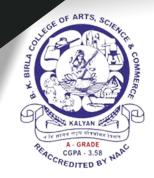
Mr. B.V Pathare

Course Coordinator

Dr. V.R Khairnar

Head of the Department

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CERTIFICATE

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WE ARE PROUDLY PRESENT THIS TO

Aniket Mishra

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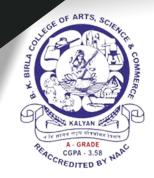
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Mr. B.V Pathare
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Dr. V.R Khairnar

Head of the Department

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WE ARE PROUDLY PRESENT THIS TO

Ashish Ashok Gautam

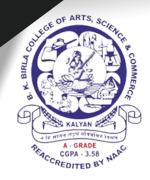
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Mr. B.V Pathare
Course Coordinator

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Dr. V.R Khairnar Head of the Department in.



CERTIFICATE

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WE ARE PROUDLY PRESENT THIS TO

Aaisha Parveen

WHO HAS SUCCESSFULLY COMPLETED 30 HOURS TRAINING IN CERTIFICATE COURSE ON INDUSTRIAL CHEMICAL ANALYSIS, CONDUCTED BY DEPARTMENT OF CHEMISTRY FOR THE YEAR 2021-22

(9)

Mr. B.V Pathare
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Dr. V.R Khairnar

Head of the Department



CERTIFICATE

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WE ARE PROUDLY PRESENT THIS TO

Pooja Tiwari

WHO HAS SUCCESSFULLY COMPLETED 30 HOURS TRAINING IN CERTIFICATE COURSE ON INDUSTRIAL CHEMICAL ANALYSIS, CONDUCTED BY DEPARTMENT OF CHEMISTRY FOR THE YEAR 2021-22

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Mr. B.V Pathare
Course Coordinator

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Dr. V.R Khairnar Head of the Department ·wy.



CERTIFICATE

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Jagat Premsingh

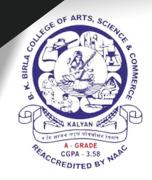
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Gw.

Mr. B.V Pathare
Course Coordinator

Dr. V.P. Khairna

Dr. V.R Khairnar Head of the Department in.



CERTIFICATE

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WE ARE PROUDLY PRESENT THIS TO

Prateek Premanandhan R.

WHO HAS SUCCESSFULLY COMPLETED 30 HOURS TRAINING IN CERTIFICATE COURSE ON INDUSTRIAL CHEMICAL ANALYSIS, CONDUCTED BY DEPARTMENT OF CHEMISTRY FOR THE YEAR 2021-22

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Mr. B.V Pathare
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Dr. V.R Khairnar

Head of the Department

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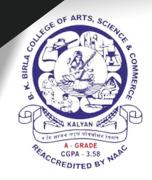
Vedant Anil Patil

WHO HAS SUCCESSFULLY COMPLETED 30 HOURS TRAINING IN CERTIFICATE COURSE ON INDUSTRIAL CHEMICAL ANALYSIS, CONDUCTED BY DEPARTMENT OF CHEMISTRY FOR THE YEAR 2021-22

Gui.

Mr. B.V Pathare
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Dr. V.R Khairnar Head of the Department in.



CERTIFICATE

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WE ARE PROUDLY PRESENT THIS TO

Neha S. Pawar

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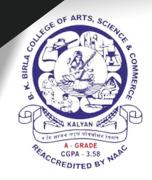
Mr. B.V Pathare

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Head of the Department

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CERTIFICATE

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WE ARE PROUDLY PRESENT THIS TO

Purva Jalindar Londhe

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Mr. B.V Pathare

Course Coordinator

Dr. V.R Khairnar Head of the Department · This



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Shruti Santosh Mishra

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