SHRI SADGURU GANGAGEER MAHARAJ SCIENCE, GAUTAM

AND SANJIVANI COMMERCE COLLEGE, KOPARGAON, DIST-AHMEDNAGAR.

### CERTIFICATE



This to certify that the work incorporated in this industrial internship report entitled "MANUFACTURE OF ETHYL ACETATE FROM ETHYL ALCOHOL AND ACETIC ACID USING CONC.H<sub>2</sub>SO<sub>4</sub> AS A CATALYST" being submitted to the Head, Department of Chemistry S.S.G.M. College Kopargaon affiliated to Savitribai Phule Pune University, Pune by Mr. Manchare Nilesh Ramdas was carried out by him under my supervision. Information obtained from other source has duly acknowledged in this industrial internship report.

Date: 21/05/2022

Mr.S.B. Jadhav

( Plant Incharge)

S.G.M. COLLEGE:

S.G.M. COLLEGE:

AGO PROGROW, DIST. AND ST. A

On 105/22

Prof. A. K. Deshmukh

Head of Department of Chemistry S.S.G.M. College, Kopargaon

Principal 8.S.G.M.College Kopergaon

w Mobile: 8411002741 to 44, 9881124732

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E Phone: 02423-224120 to 224125

W Fax No.: 02423-224130

# GST Provisional ID - 27AAAAT3291R1ZT

Reg.No.G 283-1960 Did. 28/10/1960 = GS

सहकार महर्षी शंकरराव कोल्हे सहकारी साखर कारखाना लि.,

सहजानंदनगर, पो. शिंगणापूर, ता. कोपरगांव, जि. अहमदनगर (महाराष्ट्र)

Sahakar Maharshi Shankarrao Kolhe Sahakari Sakhar Karkhana Ltd;

Sahajanandnagar, Post - Shinganapur - 423603, Tal. Kopargaon, Dist. Ahmednagar, (M.S.) (INDIA)

'Out word No. :

GO/Safety/2022-2023/ 659

Date:

Date:- 30/04/2022

#### CERTIFICATE

This is to certify that Mr.Manchare Nilesh Ramdas has carried out fifteen day's industrial internship report entitled "Manufacturing of Ethyl Acetate from Ethyl Alcohol & Acetic Acid using Conc. H<sub>2</sub>SO<sub>4</sub>" as a catalyst in the Chemical Division of Sahakar Maharshi Shankarrao Kolhe Sahakari Sakhar Karkhana Ltd. This industrial internship has been conducted under the guidance of Mr.S.B.Jadhav Sir (Plant Incharge) of Ethyl Acetate & Acetic Acid.

Information studied from other source has duly acknowledged in this industrial internship report.

Administrative Manager (Chemical) S.M.Shankarrao Kolhe S.S.K.Ltd:

Admin.Mgr.Certificate/20

Principal 8.S.G.M.College Kopergaon

SHRI SADGURU GANGAGEER MAHARAJ SCIENCE, GAUTAM

AND SANJIVANI COMMERCE COLLEGE, KOPARGAON, DIST-AHMEDNAGAR

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Date: / /2022

Mr. S.B. Jadhav

( Plant Incharge)

Prof. A. K. Deshmukh

Head of Department of Chemistry S S G M College, kopargaon

KOP RGAON, DIST. AND ST

Principal S.S.G.M.College Kopargaon Gartesh 23/05/24

19 01 A 23/05/2

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■ VAT Tin - 27320410664V/C

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II Rep.No.G 283-1960 Did. 28/10/1960

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# सहकार महर्षी शंकरराव कोल्हे सहकारी साखर कारखाना लि.,

सहजानंदनगर, पो. शिंगणापूर, ता. कोपरगांव, जि. अहमदनगर (महाराष्ट्र)

### Sahakar Maharshi Shankarrao Kolhe Sahakari Sakhar Karkhana Ltd;

Sahajanandnagar, Post - Shinganapur - 423603, Tal. Kopargaon, Dist. Ahmednagar, (M.S.) (INDIA)

Out word No. :

GO/Safety/2022-2023/ 645

Date:

Date:- 30/04/2022

#### **CERTIFICATE**

This is to certify that Miss.Kasar Sanyogeeta Suresh has carried out fifteen day's industrial internship report entitled "Manufacturing of Ethyl Acetate from Ethyl Alcohol & Acetic Acid using Conc. H<sub>2</sub>SO<sub>4</sub>" as a catalyst in the Chemical Division of Sahakar Maharshi Shankarrao Kolhe Sahakari Sakhar Karkhana Ltd. This industrial internship has been conducted under the guidance of Mr.S.B.Jadhav Sir (Plant Incharge) of Ethyl Acetate & Acetic Acid.

Information studied from other source has duly acknowledged in this industrial internship report.

Administrative Manager (Chemical) S.M.Shankarrao Kolhe S.S.K.Ltd;

Admin.Mgr Certificate/20

Principal 8.S.G.M.College Kopargaon

### SHRI SADGURU GANGAGEER MAHARAJ SCIENCE, GAUTAM

AND SANJIVANI COMMERCE COLLEGE, KOPARGAON, DIST-AHMEDNAGAR.

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Date: / /2022

Mr. S.B. Jadhav

( Plant Incharge)

For A. K. Deshmukh

Head of Department of Chemistry SSGM College, kopargaon

S.G.M. COLL KOP PRICHON DIST, NAMES

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■ Reg.No.G 283-1960 Did. 28/10/1960

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# सहकार महर्षी शंकरराव कोल्हे सहकारी साखर कारखाना लि.,

सहजानंदनगर, पो. शिंगणापूर, ता. कोपरगांव, जि. अहमदनगर (महाराष्ट्र)

# Sahakar Maharshi Shankarrao Kolhe Sahakari Sakhar Karkhana Ltd;

Sahajanandnagar, Post - Shinganapur - 423603, Tal. Kopargaon, Dist. Ahmednagar, (M.S.) (INDIA)

Out word No. :

GO/Safety/2022-2023/ 6 48

Date:

Date: - 30/04/2022

### CERTIFICATE

This is to certify that Miss. Mahale Vaishnavi Babasaheb has carried out fifteen day's industrial internship report entitled "Manufacturing of Ethyl Acetate from Ethyl Alcohol & Acetic Acid using Conc. H2SO4" as a catalyst in the Chemical Division of Sahakar Maharshi Shankarrao Kolhe Sahakari Sakhar Karkhana Ltd. This industrial internship has been conducted under the guidance of Mr.S.B.Jadhav Sir (Plant Incharge) of Ethyl Acetate & Acetic Acid.

Information studied from other source has duly acknowledged in this industrial internship report.

> Administrative Manager (Chemical) S.M.Shankarrao Kolhe S.S.K.Ltd;

Admin.Mgr.Certificate/20

### SHRI SADGURU GANGAGEER MAHARAJ SCIENCE, GAUTAM

AND SANJIVANI COMMERCE COLLEGE, KOPARGAON, DIST-AHMEDNAGAR.

# CERTIFICATE



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Date: / /2022

Mr. S.B. Jadhav

( Plant Incharge)

Prof. A. K. Deshmukh

Head of Department of Chemistry S S G M College, kopargaon Examined

S.G.M. COLLEGE

Principal 8.S.G.M.College Koparyson

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सहजानंदनगर, पो. शिंगणापूर, ता. कोपरगांव, जि. अहमदनगर (महाराष्ट्र)

### Sahakar Maharshi Shankarrao Kolhe Sahakari Sakhar Karkhana Ltd;

Sahajanandnagar, Post - Shinganapur - 423603, Tal. Kopargaon, Dist. Ahmednagar, (M.S.) (INDIA)

Out word No. :

GO/Safety/2022-2023/

652

Date:

Date: - 30/04/2022

#### CERTIFICATE

This is to certify that Mr.Davange Aniket Prakash has carried out fifteen day's industrial internship report entitled "Manufacturing of Ethyl Acetate from Ethyl Alcohol & Acetic Acid using Conc. H<sub>2</sub>SO<sub>4</sub>" as a catalyst in the Chemical Division of Sahakar Maharshi Shankarrao Kolhe Sahakari Sakhar Karkhana Ltd. This industrial internship has been conducted under the guidance of Mr.S.B.Jadhav Sir (Plant Incharge) of Ethyl Acetate & Acetic Acid.

Information studied from other source has duly acknowledged in this industrial internship report.

Administrative Manager (Chemical) S.M.Shankarrao Kolhe S.S.K.Ltd;

Admin.Mgr.Certificate/20

Principal 8.S.G.M.College Kopargeon

### SHRI SADGURU GANGAGEER MAHARAJ SCIENCE, GAUTAM

AND SANJIVANI COMMERCE COLLEGE, KOPARGAON, DIST-AHMEDNAGAR.

# CERTIFICATE



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Date: / /2022

Mr. S.B. Jadhav

( Plant Incharge)

Prof. A. K. Deshmukh

Head of Department of Chemistry S S G M College, kopargaon Examined

8 autosh 25705124



Principal 8.S.G.M.College Kopangson

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Reg.No.G 283-1960 Dtd 28/10/1960

# GST Provisional ID - 27AAAAT3291R1ZT

# सहकार महर्षी शंकरराव कोल्हे सहकारी साखर कारखाना लि.,

सहजानंदनगर, पो. शिंगणापूर, ता. कोपरगांव, जि. अहमदनगर (महाराष्ट्र)

### Sahakar Maharshi Shankarrao Kolhe Sahakari Sakhar Karkhana Ltd;

Sahajanandnagar, Post - Shinganapur - 423603, Tal. Kopargaon, Dist. Ahmednagar, (M.S.) (INDIA)

Out word No. :

GO/Safety/2022-2023/ 65]

Date:

Date:- 30/04/2022

#### CERTIFICATE

This is to certify that Mr.Hon Akshay Madhukar has carried out fifteen day's industrial internship report entitled "Manufacturing of Ethyl Acetate from Ethyl Alcohol & Acetic Acid using Conc. H<sub>2</sub>SO<sub>4</sub>" as a catalyst in the Chemical Division of Sahakar Maharshi Shankarrao Kolhe Sahakari Sakhar Karkhana Ltd. This industrial internship has been conducted under the guidance of Mr.S.B.Jadhav Sir (Plant Incharge) of Ethyl Acetate & Acetic Acid.

Information studied from other source has duly acknowledged in this industrial internship report.

Administrative Manager (Chemical) S.M.Shankarrao Kolhe S.S.K.Ltd;

Admin.Mgr.Certificate/20

Principal 8.S.G.M. college Kopargoon

### SHRI SADGURU GANGAGEER MAHARAJ SCIENCE, GAUTAM

AND SANJIVANI COMMERCE COLLEGE, KOPARGAON, DIST-AHMEDNAGAR.

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This to certify that the work incorporated in this industrial internship report entitled "MANUFACTURE OF ETHYL ACETATE FROM ETHYL ALCOHOL AND ACETIC ACID USING CONC. H2SO4 AS A CATALYST" being submitted to the Head, Department of Chemistry S.S.G.M. College Kopargaon affiliated to Savitribai Phule Pune University, Pune by Mr. Shinde Abhijeet Kakasaheb as carried out by him under my supervision. Information obtained from other source has duly acknowledged in this industrial internship report.

Date: 7 /2022

S.B. Jadhay

( Plant Incharge)

Head of Department of Chemistry SSGM College, kopargaon

8.S.G.M.College Kopargoon

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# सहकार महर्षी शंकरराव कोल्हे सहकारी साखर कारखाना लि.,

त्तहजानंदनगर, पो. शिंगणापूर, ता. कोपरगांव, जि. अहमदनगर (महाराष्ट्र)

# Sahakar Maharshi Shankarrao Kolhe Sahakari Sakhar Karkhana Ltd;

Sahajanandnagar, Post - Shinganapur - 423503, Tel. Kopargaon, Dist. Ahmednagar, (M.S.) (INDIA)

Out word No.:

GO/Safety/2022-2023/ 653

Date:

Date: - 30/04/2022

#### CERTIFICATE

This is to certify that Mr.Shinde Abhijeet Kakasaheb has carried out fifteen day's industrial internship report entitled "Manufacturing of Ethyl Acetate from Ethyl Alcohol & Acetic Acid using Conc. H2SO4" as a catalyst in the Chemical Division of Sahakar Maharshi Shankarrao Kolhe Sahakari Sakhar Karkhana Ltd. This industrial internship has been conducted under the guidance of Mr.S.B.Jadhav Sir (Plant Incharge) of Ethyl Acetate & Acetic Acid.

Information studied from other source has duly acknowledged in this industrial internship report.

> Administrative Manager (Chemical) S.M.Shankarrao Kolhe S.S.K.Ltd;

Admin.Mgr,Certificate/20

Kopargaon

#### SHRI SADGURU GANGAGEER MAHARAJ SCIENCE, GAUTAM

AND SANJIVANI COMMERCE COLLEGE, KOPARGAON, DIST-AHMEDNAGAR.

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Date: / /2022

Mr. S.B. Jadhav

( Plant Incharge)

For Albertainy

Head of Department of Chemistry SSGM College, kopargaon Examined Bautosh

Principal

S.S.G.M.College

Kopargaon

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. ■ Email: ssskltd@gmail.com VAT Tin - 27320410664V/C

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# GST Provisional ID - 27AAAAT3291R1ZT

### Reg.No.G 283-1960 Did. 28/10/1960 सहकार महर्षी शंकरराव कोल्हे सहकारी साखर कारखाना लि.,

सहजानंदनगर, पो. शिंगणापूर, ता. कोपरगांव, जि. अहमदनगर (महाराष्ट्र)

### Sahakar Maharshi Shankarrao Kolhe Sahakari Sakhar Karkhana Ltd;

Sahajanandnagar, Post - Shinganapur - 423603, Tal. Kopargaon, Dist. Ahmednagar, (M.S.) (INDIA)

Out word No. :

GO/Safety/2022-2023/ 646

Date:

Date:- 30/04/2022

#### CERTIFICATE

This is to certify that Miss.Kasar Pratiksha Anil has carried out fifteen day's industrial internship report entitled "Manufacturing of Ethyl Acetate from Ethyl Alcohol & Acetic Acid using Conc. H2SO4" as a catalyst in the Chemical Division of Sahakar Maharshi Shankarrao Kolhe Sahakari Sakhar Karkhana Ltd. This industrial internship has been conducted under the guidance of Mr.S.B.Jadhav Sir (Plant Incharge) of Ethyl Acetate & Acetic Acid.

Information studied from other source has duly acknowledged in this industrial internship report.

> Administrative Manager (Chemical) S.M.Shankarrao Kolhe S.S.K.Ltd;

Admin.Mgr.Certificate/20

Kopargaon

SHRI SADGURU GANGAGEER MAHARAJ SCIENCE, GAUTAM

AND SANJIVANI COMMERCE COLLEGE, KOPARGAON, DIST-AHMEDNAGAR

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Date: / /2022

Mr. S.B. Jadhav

( Plant Incharge)

Prof. A. K. Deshmukh

Head of Department of Chemistry S S G M College, kopargaon

Principal 8.S.G.M.College Kopargaon

#### SHRI SADGURU GANGAGEER MAHARAJ SCIENCE, GAUTAM

AND SANJIVANI COMMERCE COLLEGE, KOPARGAON, DIST-AHMEDNAGAR.

### CERTIFICATE



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Date: / /2022

Mr. S.B. Jadhav

( Plant Incharge)

Prof. A. K. Deshmukh

Head of Department of Chemistry S S G M College, kopargaon

Stoker

Gantal)

GG.M. COLLEGE ST. AND ST. AND

Principal 8.S.G.M.College Kopargaon

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7320410664V/C Reg.No.G 283-1960 Did. 28/10/1960

## सहकार महर्षी शंकरराव कोस्हे सहकारी साखर कारखाना लि.,

सहजानंदनगर, पो. शिंगणापूर, ता. कोपरगांव, जि. अहमदनगर (महाराष्ट्र)

### Sahakar Maharshi Shankarrao Kolhe Sahakari Sakhar Karkhana Ltd;

Sahajanandnagar, Post - Shinganapur - 423603, Tal. Kopargaon, Dist. Ahmednagar, (M.S.) (INDIA)

Out word No. :

GO/Safety/2022-2023/ 64)

Date:

Date: - 30/04/2022

#### CERTIFICATE

This is to certify that Miss.Kote Ankita Chandrakant has carried out fifteen day's industrial internship report entitled "Manufacturing of Ethyl Acetate from Ethyl Alcohol & Acetic Acid using Conc. H<sub>2</sub>SO<sub>4</sub>" as a catalyst in the Chemical Division of Sahakar Maharshi Shankarrao Kolhe Sahakari Sakhar Karkhana Ltd. This industrial internship has been conducted under the guidance of Mr.S.B.Jadhav Sir (Plant Incharge) of Ethyl Acetate & Acetic Acid.

Information studied from other source has duly acknowledged in this industrial internship report.

Administrative Manager (Chemical) S.M.Shankarrao Kolhe S.S.K.Ltd:

Admin.Mgr.Certificate/20

Principal S.S.G.M.College Kopargaon

# Rayat Shikshan Sanstha's Shri Sadguru Gangageer Maharaj Science, Gautam Arts and Sanjivani Commerce College, Kopargaon Date-30/04/2022

### Report of Industrial Internship report

Department of Chemistry	
Name of Acivity	Industrial Internship report
Date of Activity	30/04/2022
Place of visit	Sahakar Maharshi Shankarrao Kolhe Sahakari Sakhar Karkhana Ltd.,Saghajananadnagar, Shinganapur. Kopargaon
No. of Participants	9











Kopargaon