

SKILL DEVELOPMENT COURSES 2024-25

Quality Assurance Supervisor

1. Title: Quality Assurance Supervisor

2. Year of Implementation: 2024-25

Structure of Skill Development Courses

Skill Level	Theory Hours	Practical Hours	Total Hours	Credits	No. of students in batch
6	15	30	45	02	30

Syllabus

Learning Objectives:

1. To give knowledge about Quality Assurance.
2. To make the students familiar about Documentation of Quality Assurance.
3. To improve the understanding of students regarding the MSDS .

Theory Syllabus (15 Hrs)

Unit I- Documentation for Quality Assurance: Introduction of Raw Data

(07)

Type of notebooks, Control of notebook distribution and data entry, General Reagents and volumetric reagents, Sampling – sampling methods, sample labelling, and sample login/register. Sample analysis, reporting, recording and personal training, Instrument calibration and maintenance, Material Safety Data Sheet (MSDS).

Unit II- Documentation for Quality Assurance: Management of Raw Data (08)

Sample handling. Data Acquisition, Quality control data and calculations, Security considerations, Hardware and software. Define the quality assurance program, Writing standard operating procedure, Topics for standard operating procedures. QA outlines.

Practical Syllabus (30 Hrs)

List of Experiments: (24 Hrs)

- 1) To Prepare MSDS Sheet for Phenyl Ethyl Alcohol, Cinnamic Aldehyde.
- 2) To Calibrate the Conductometer, Potentiometer & pH meter

- 3) Sample handling for any Product.
- 4) To Prepare Standard Test Procedure (SOP) for Organic compound.
- 5) To Prepare Certificate of analysis (COA) for Organic compound
- 6) To Prepare checklists (Safety& Manufacturing)
- 7) To Calibrate the Karl Fischer Titration
- 8) To Calibrate the Dissolution & Disintegration, Friability
- 9) To Prepare Certificate of analysis (COA) for Inorganic compound
- 10) To Prepare Checklists for out of specifications (OOS).

Project/Field Visits/ Industrial Visit

(06 Hrs)

Learning Outcomes: After completion of this course students will be able to..

- 1) Prepare MSDS Sheets
- 2) Demonstrate Sampling Methods.
- 3) Perform calibration of various instruments..

Recommended Books:

1. George W. Roberts, Quality Assurance in research and development. CRC Press (1983)
(Unit I)
2. Evan Aksen, Quality Assurance & Technical Documentation Createspace Independanc
Publishing Platform (20120 (Unit II)

BOS Sub Committee:

1. Dr. G.D Kokate
2. Miss. D.V.Patil

Expert Committee:

1. Dr.S.P. Pawar, Asst. Prof, RSCS, Kolhapur
2. Mr. Suraj Ghade, Manager, Harmony Organics PVT.LTD.