



### QUALIFICATIONS PACK - OCCUPATIONAL STANDARDS FOR RUBBER INDUSTRY

### What are Occupational Standards(OS)?

OS describe what individuals need to do, know and understand in order to carry out a particular job role or function

OS are performance standards that individuals must achieve when carrying out functions in the workplace, together with specifications of the underpinning knowledge and understanding

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## Introduction Qualifications Pack- Lab Chemist- Cured compound testing

SECTOR: RUBBER INDUSTRY

SUB-SECTOR: 1. Tyre 2. Non-Tyre

OCCUPATION: Lab Chemist

**REFERENCE ID:** RSC/ Q 0314

ALIGNED TO: NCO-2004/NIL

**Brief Job Description:** The scope of the job involves carrying out testing for the cured compound as per laid down methods and specifications.

**Personal Attributes:** This job requires the individual to work independently and with integrity. He must have good technical, analytical and interpersonal skills. He must be able to interpret findings and take necessary corrective actions.



Job Details



Qualification pack for Lab Chemist - Cured Compound Testing

Qualifications Pack Code	RSC/ Q 0314 Lab Chemist - Cured Compound testing			
Job Role				
Credits(NSQF)	TBD Version number 1.0			
Sector	Rubber Manufacturing	Drafted on	20/03/13	
Sub-sector	Tyre and Non- tyre	Last reviewed on	29/12/15	
Occupation	Lab Chemist	Next review date	29/12/17	
NSQC Clearnace on	19/06/2015			

Job Role	Lab Chemist - Cured Compund testing	
Role Description	The scope of the job involves carrying out testing for the cured compound as per laid down methods and specifications	
NSQF level	5	
Minimum Educational Qualifications*	Diploma	
Maximum Educational Qualifications*	Masters in Science	
<b>Training</b> (Suggested but not mandatory)	-	
Experience	-	
Minimum Job Entry Age	18 years	
	Compulsory:	
	1. RSC/ N1401 ( <u>To carry out testing of cured compound</u> )	
	2. RSC/ N5001 ( <u>To carry out housekeeping</u> )	
	3. RSC/ N5002 ( <u>To carry out reporting and documentation</u> )	
Applicable National Occupational	4. RSC/ N5003 ( <u>To carry out quality checks</u> )	
Standards (NOS)	5. RSC/ N5004 ( <u>To carry out problem identification and</u>	
	escalation)	
	Optional:	
	6. NA	
Performance Criteria	As described in the relevant OS units	



### Qualification pack for Lab Chemist - Cured Compound Testing



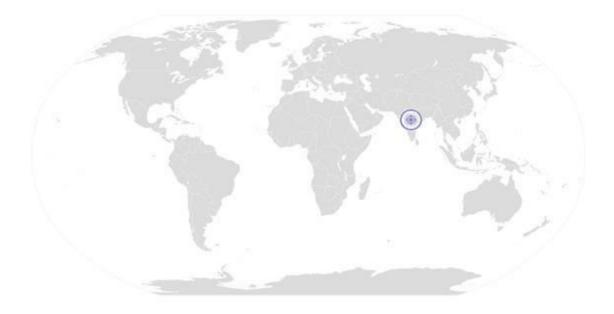


Keywords /Terms	Description		
Sector	Sector is a conglomeration of different business operations having similar businesses and interests. It may also be defined as a distinct subset of the		
	economy whose components share similar characteristics and interests.		
Sub-sector	Sub-sector is derived from a further breakdown based on the		
Occurrentieur	characteristics and interests of its components.		
Occupation	Occupation is a set of job roles, which perform similar/related set of functions in an inductor		
Function	functions in an industry. Function is an activity necessary for achieving the key purpose of the		
FUNCTION	sector, occupation, or area of work, which can be carried out by a person		
	or a group of persons. Functions are identified through functional		
	analysis and form the basis of OS.		
Job Role	Job role defines a unique set of functions that together form a unique		
	employment opportunity in an organization.		
OS	OS specify the standards of performance an individual must achieve		
	when carrying out a function in the workplace, together with the		
	knowledge and understanding they need to meet that standard		
	consistently. Occupational Standards are applicable both in the Indian		
	and global contexts.		
Performance Criteria	Performance Criteria are statements that together specify the standard		
	of performance required when carrying out a task.		
NOS	NOS are Occupational Standards which apply uniquely in the Indian		
	context.		
Qualifications Pack			
Code	qualifications pack.		
Qualifications Pack Qualifications Pack comprises the set of OS, together with the			
educational, training and other criteria required to perform a jo Qualifications Pack is assigned a unique qualification pack code			
Unit Code     Unit Code is a unique identifier for an Occupational Standard ,			
denoted by an 'N'.			
Unit Title	Unit Title gives a clear overall statement about what the incumbent		
	should be able to do.		
Description	Description gives a short summary of the unit content. This would be		
Description	helpful to anyone searching on a database to verify that this is the		
	appropriate OS they are looking for.		
Knowledge and	Knowledge and Understanding are statements which together specify the		
Understanding	technical, generic, professional and organizational specific knowledge		
Ū.	that an individual needs in order to perform to the required standard.		
Organizational Context	Organizational Context includes the way the organization is structured		
	and how it operates, including the extent of operative knowledge		
	managers have of their relevant areas of responsibility.		
Technical Knowledge	Technical Knowledge is the specific knowledge needed to accomplish specific designated responsibilities.		
Core Skills or Generic	Core Skills or Generic Skills are a group of skills that are key to learning		
Skills	and working in today's world. These skills are typically needed in any		
	work environment. In the context of the OS , these include		
	communication related skills that are applicable to most job roles.		









**Overview** 

This unit is about carrying out testing of cured compound





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# National Occupational Standards To Carry Out Testing Of Cured Compund

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Unit Code	RSC / N 1401		
Unit Title	To carry out testing of cured compound		
(Task)			
Description	This unit is about carrying out testing of cured compound		
Scope	This unit/task covers the following:		
	<ul> <li>Ensuring housekeeping and safety in the lab testing area</li> </ul>		
	• Equipment preparation and calibration of instruments to be used in the testing process.		
	Prepare test samples		
	<ul> <li>Carry out tests as per laid down method and specification</li> <li>Data Logging</li> </ul>		
	<ul> <li>Interpret data, judgment and reporting</li> </ul>		
	Record Keeping		
Performance Criteria (F	PC) w.r.t. the Scope		
Sample collection	<ul> <li>PC1. Determine the minimum amount of compound required for testing to achieve the desired level of confidence in the tests.</li> <li>PC2. Sample the compound as per SOP</li> <li>PC3. Sampling should be as per process flow sheet with control points</li> <li>PC4. Ensure that sample is suitable for test/analysis</li> <li>PC5. Mould compound to appropriate standard test specimens (button/ dumbbell / slab)for testing</li> <li>PC6. Identify the defect/problem in inappropriate sample</li> <li>PC7. Follow the procedure (SOP) laid down by the company while labeling/numbering samples</li> </ul>		
Sample integrity	<ul> <li>PC8. Follow procedures (SOP) to maintain conditioning of the sample (eg. Time, temperature , humidity, mechanical stress etc) as per SOP</li> <li>PC9. Follow SOP to store sample for future/further testing</li> </ul>		
Equipment readiness	<ul> <li>PC10. Identify the most appropriate equipment such as Rheometer, Mooney Viscometer and accessories for testing</li> <li>PC11. Set up appropriate equipment or apparatus for testing as per SOP, by running the reference test specimen</li> <li>PC12. Calibrate/validate/verify the testing equipment periodically as per standard procedures.</li> <li>PC13. Identify defective equipment/apparatus and steps to be taken</li> </ul>		
Sample testing	PC14. Identify appropriate tests like Specific Gravity, Dispersion, Rheometry, Mooney viscosity, Hardness, Tensile, Elongation, Modulus, Tear, low temperature properties, ozone resistance, aging properties, abrasion resistance, rebound		









RUBBER SKILL DEVELOPMENT COUNCIL RSC/ N 1401	To Carry Out Testing Of Cured Compund
	resilience, set properties, electrical properties, Tear resistance, Dispersion, Heat build up, swelling as per requirement /Standards PC15. Carry out tests as per requirement and in accordance with SOP and desired individual test frequency
Data analysis	<ul> <li>PC16. Keep tools and accessories like calculator ready before starting the analysis in accordance to the standard (IS/ISO or other international standards)</li> <li>PC17. Ensure that the accuracy and periodicity of the data captured in records is as per SOP</li> <li>PC18. Identify appropriate technique in evaluating result</li> <li>PC19. Interpret the results correctly using the identified technique(s)</li> </ul>
Recording	PC20. Record and maintain data as per company SOP PC21. Ensure that reports/records are accurate and clear
Reporting	PC22. Release or Hold the raw material as per finding for further processing. PC23. Take up the results of the findings with supplier/QC in-charge/appropriate authority.
Health and Safety	<ul> <li>PC24. Ensure Housekeeping and Safety in mixing area</li> <li>PC25. Handle the equipment properly</li> <li>PC26. Ensure samples and chemicals are carefully handled to avoid accidental spillage of chemicals.</li> <li>PC27. Conduct the experiments wearing the appropriate attire such as safety goggles, gloves, closed toe shoes, long pants, tied hair</li> <li>PC28. Dispose all the materials used in the experiment safely</li> <li>PC29. Use safety equipment such as fire extinguishers, fire blankets, and eye-wash stations.</li> <li>PC30. Escalate matters in case of any accidents, spills etc.</li> <li>PC31. Comply with health, safety, environment guidelines, regulations etc in accordance with international/national standards or organizational standards</li> </ul>
Material disposal	PC32. Carry out disposal of waste and left over tested material safely as per SOP PC33. Dispose all materials used in the experiment safely as per Health and Safety management system of the company
Knowledge and Unders	tanding (K)
A. Organizational Context (Knowledge of the company / organization and its processes)	<ul> <li>The user/individual on the job needs to know and understand:</li> <li>KA1. Types and grades of rubber products and other polymers and their applications in the rubber industry</li> <li>KA2. Understanding of role of the Rheometry and Mooney viscometry in rubber technology &amp; product manufacturing</li> <li>KA3. Organisational Coding system of raw material and compounds</li> <li>KA4. Chemicals used in the industry and their function</li> </ul>







RUBBER SKILL DEVELOPMENT COUNCIL RSC/ N 1401	To Carry Out Testing Of Cured Compund
	KA5. Modern methods of quality management systems (ISO-9000, TS-16949, ISO-
	14001, OHSAS-18000)
	KA6. Principles of good laboratory practices applicable in the workplace
	KA7. Material disposal procedure, importance of appropriate disposal of material
	and implications of not following the material disposal procedure
	KA8. Importance of identifying non-conforming products and storage of the same
	KA9. Risk and impact of not following defined procedures/work instructions
	KA10. Escalation matrix for reporting identified issues
	KA11. Types of documentation in organization and importance of the same
	KA12. Records to be maintained and implications of non-maintenance of the same
	KA13.Company manual and from where to attain it
	KA14.Importance of housekeeping & good shop floor practices (e.g.3S/5S)
	KA15. Health, Safety and Environment guidelines, legislation and regulations as
	applicable
	KA16. Personal protection (Which protective equipment to be used and how)
	KA17.Impact of poor practices on health, safety and environment
	KA18.Potential hazards and actions to minimize the same
	KA19. Escalation matrix and escalation procedure for reporting hazards.
	KA20. The usage of different fire extinguisher
	KA21. Impact of various practices on cost, quality, productivity, delivery and safety
	KA22. Handover/ Takeover the equipment/ work area as per company's SOP
B. Technical	The user/individual on the job needs to know and understand:
Knowledge	KB1. Knowledge of basic chemistry and simple chemical calculation
	KB2. Knowledge on different standard reference material
	KB3. Role of different raw materials in rubber compounding, processing/ product
	manufacturing and performance
	KB4. Understanding of role of the Rheometry and Mooney viscometry,
	Densometer, Dispergrader, Tensile Tester, Hardness Tester, Rebound
	Resilience Tester in rubber technology & product manufacturing
	KB5. Testing equipments and related test methods and purpose of tests
	KB6. Calibration procedure for test equipment
	KB7. Use of chemicals, basic sciences and mathematics
	KB8. Preparation of standard chemical reagents for testing
	KB9. Standard method of drawing samples and preparing them for testing
	KB10. Importance of sample conditioning for testing
	KB11. How to assess if a sample is suitable for testing
	KB12. Methods/techniques used for labeling samples
	KB13. Procedure to be followed in case the sample is unfit for testing
	KB14. National/International standard test methods for different compounds
	KB15. Understanding of Specifications of tests & their importance in the release
	system.
	KB16. The methods that can be used for controlling test variables
	KB17. Potential problems in performing experiments









JBBER SKILL DEVELOPMENT COUNCIL	National Occupational Standards & ENTREPRENEURSHIP
RSC/ N 1401	To Carry Out Testing Of Cured Compund
	KB18. Indicators and reasons of potential problems
	KB19. Implications (impact on internal/external customers) of defective products,
	materials or components.
	KB20. Procedures for storing samples
	KB21. Factors that adversely affect integrity of the sample
	KB22. Statistical analysis of test data
	KB23. How to obtain and interpret records, charts, specifications, equipment
	manuals, history/technical support reports and other documents
	KB24. Methods and techniques involved in evaluating information
	KB25. Use of Computer/application software
	KB26. Units of measurement
Skills (S)	
	Writing Skills
	The user/ individual on the job needs to know and understand how to:
	SA1. Construct simple sentences and express ideas clearly through written
	communication
	SA2. Fill up appropriate technical forms, process charts, activity logs in required
	format of the company
	SA3. Write simple letters, mails, etc
	SA4. Perform functional mathematical operations, including apply basic
A. Core Skills/	mathematical principles, such as numbers and space, and techniques such as
Generic Skills	estimation and approximation, for practical purposes
	Reading Skills
	The user/individual on the job needs to know and understand how to:
	SA5. Read and understand manuals, health and safety instructions, memos, reports,
	job cards etc
	SA6. Read images, graphs, diagrams
	SA7. Understand the various coding systems as per company norms
	Oral Communication (Listening and Speaking skills)







ming the skill landscape

To Carry Out Testing Of Cured Compund The user/individual on the job needs to know and understand how to: SA8. Express statements, opinions or information clearly so that others can hear and understand SA9. Respond appropriately to any queries SA10. Communicate with supervisor SA11. Communicate with upstream and downstream teams SA12. Work in a team and other behavioral skills required to support the small group activities (Quality Circle, Cross Functional Team, Suggestion Scheme) Integrity The user/individual on the job needs to know and understand how to: SA13. Practice honesty with respect to company property and time SA14. Communicate with people in a form and manner and using language that is open and respectful SA15. Resolve any difficulties in relationships with colleagues, or get help from an appropriate person, in a way that preserves goodwill and trust Motivation The user/individual on the job needs to know and understand how to: SA16. Take responsibility for completing one's own work assignment SA17. Take initiative to enhance/learn skills in ones's area of work SA18. The capacity to learn from experience in a range of settings and scenarios and the capacity to reflect on and analyse one's learning. SA19. Is open to new ways of doing things SA20. The capacity to envisage and articulate personal goals; to develop strategies and take action to achieve them. Reliability The user/individual on the job needs to know and understand how to:

- SA21. Avoid absenteeism
  - SA22. Act objectively, rather than impulsively or emotionally when faced with difficult/stressful or emotional situations
  - SA23. Work in disciplined factory environment
  - SA24. Be punctual

	Decision Making
<b>B.Professional Skills</b>	The user/individual on the job needs to know and understand how to:
	Handle internal mixer, accessories
	Handle rubber compound
	Handle chemicals
	Handling of various types of material handling equipment like forklifts, trolleys
	The capacity to apply technology, combining the physical and sensory skills needed to
	operate equipment with the understanding of scientific and technological principles







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To Carry	v Out Test	ing Of Cu	red Compund

needed to explore and adapt systems.

#### Plan and Organize

The user/individual on the job needs to know and understand how to:

SB2. seek clarification on problems from others

SB3. apply problem-solving approaches in different situations

SB4. refer anomalies to the line manager

### **Customer Centricity**

Application of basic sciences (chemistry), mathematics Application of statistics

Use of computer/ application software

### **Problem Solving**

The user/individual on the job needs to know and understand how to:

SB 5. Interpret quality for sheet

SB 6. Suggest improvements(if any) in process/product/materials based on results and experience

### **Analytical Thinking**

The user/individual on the job needs to know and understand how to: SB7. Proper collection of waste material

SB8. Identify defects in the material and communicate it at the earliest and suggest

improvements(if any) in process/material based on experience

Diagnose common problems in the machine based on visual inspection, sound ,

temperature etc

Suggest improvements(if any) in process based on experience

**Critical Thinking** 

The user/individual on the job needs to know and understand how to:

SB9. Handle equipment/rubber sheet SB6. seek clarification on problems from others

SB10. apply problem-solving approaches in different situations

SB11. refer anomalies to the line manager







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NOS Code	RSC / N 1401		
Credits(NSQF)	5	Version number	1.0
Industry	Rubber Manufacturing	Drafted on	20/03/13
Industry Sub-sector	Tyre and Non- tyre	Last reviewed on	29/12/15
Occupation	Lab Chemist	Next review date	29/12/17













**Overview** 

This unit is about carrying out housekeeping









Unit Code	RSC / N 5001		
Unit Title	To carry out housekeeping		
(Task)			
Description	This unit is about carrying out housekeeping activities		
Scope	This unit/task covers the following:		
	Preparing for housekeeping activities		
	Carry out housekeeping activities		
	Post housekeeping activities		
Performance Criteria (	(PC) w.r.t. the Scope		
Element	Performance Criteria		
Pre housekeeping activities	<ul> <li>To be competent, the user/individual on the job must be able to:</li> <li>PC1. Inspect the area while taking into account various surfaces</li> <li>PC2. Identify the material requirements for cleaning the areas inspected, by considering risk, time, efficiency and type of stain</li> <li>PC3. Ensure that the cleaning equipment is in proper working condition</li> <li>PC4. Select the suitable alternatives for cleaning the areas in case the appropriate equipment and materials are not available and inform the appropriate person</li> <li>PC5. Plan the sequence for cleaning the area to avoid re-soiling clean areas and surfaces</li> <li>PC6. Inform the affected people about the cleaning activity</li> <li>PC7. Display the appropriate signage for the work being conducted</li> <li>PC8. Ensure that there is adequate ventilation for the work being carried out</li> <li>PC9. Wear the personal protective equipment required for the cleaning method and materials being used</li> </ul>		
Operations	<ul> <li>PC10. Use the correct cleaning method for the work area, type of soiling and surface</li> <li>PC11. Carry out cleaning activity without disturbing others</li> <li>PC12. Deal with accidental damage, if any, caused while carrying out the work</li> <li>PC13. Report to the appropriate person any difficulties in carrying out your work</li> <li>PC14. Identify and report to the appropriate person any additional cleaning required that is outside one's responsibility or skill</li> </ul>		
Post housekeeping activities	PC15. Ensure that there is no oily substance on the floor to avoid slippage PC16. Ensure that no scrap material is lying around PC17. Maintain and store housekeeping equipment and supplies PC18. Follow workplace procedures to deal with any accidental damage caused		









	<ul> <li>during the cleaning process</li> <li>PC19. Ensure that, on completion of the work, the area is left clean and dry and meets requirements</li> <li>PC20. Return the equipment, materials and personal protective equipment that were used to the right places making sure they are clean, safe and securely stored</li> <li>PC21. Dispose the waste garnered from the activity in an appropriate manner</li> <li>PC22. Dispose of used and un-used solutions according to manufacturer's instructions, and clean the equipment thoroughly</li> </ul>
General	PC23. Maintain schedules and records for housekeeping duty PC24. Replenish any necessary supplies or consumables
Knowledge and Unders	tanding (K)
B. Technical Knowledge	<ul> <li>The user/individual on the job needs to know and understand:</li> <li>KB1. The levels of hygiene required by workplace and why it is important to maintain them during your work</li> <li>KB2. How to inspect a work area to decide what cleaning it needs</li> <li>KB3. Methods and materials that used for cleaning variety of surfaces</li> <li>KB4. The types of cleansing agents that are not to be mixed together</li> <li>KB5. The correct method for cleaning equipment and/or machinery used during your work</li> <li>KB6. The importance of personal protective equipment</li> <li>KB7. Appropriate personal protective equipment for the work area, cleaning equipment, tools, materials and chemicals used</li> <li>KB8. The correct sequence for cleaning the work area</li> <li>KB9. The time taken by the treatment to work</li> <li>KB10. The importance of following manufacturer's instructions on cleaning agents</li> <li>KB11. The most appropriate place to carry out test cleans and why this should be done before applying treatments</li> <li>KB13. Process of cleaning the surfaces without causing injury or damage</li> <li>KB14. The method to check the treated surface and equipment on completion of cleaning</li> <li>KB15. Procedures for reporting any unidentified soiling</li> <li>KB16. Procedures for disposing off waste</li> <li>KB17. Procedures for disposing off or storing personal protective equipment</li> <li>KB18. Escalation procedures for soils or stains that could not be removed</li> </ul>
Skills (S)	
A. Core Skills/	Writing Skills









To Carry Out Housekeeping

Generic Skills	The user/ individual on the job needs to know and understand how to:
	SA1. Construct simple sentences and express ideas clearly through written
	communication
	SA2. Fill up appropriate technical forms, process charts, activity logs in required
	format of the company
	SA3. Write simple letters, mails, etc
	SA4. Perform functional mathematical operations, including apply basic
	mathematical principles, such as numbers and space, and techniques such as
	estimation and approximation, for practical purposes
	Reading Skills
	The user/individual on the job needs to know and understand how to:
	SA5. Read and understand manuals, health and safety instructions, memos, reports, job cards etc
	SA6. Read images, graphs, diagrams
	SA7. Understand the various coding systems as per company norms
	Oral Communication (Listening and Speaking skills)











**To Carry Out Housekeeping** 

	The user/individual on the job needs to know and understand how to: SA8. Express statements, opinions or information clearly so that others can hear
	and understand
	SA9. Respond appropriately to any queries
	SA10. Communicate with supervisor
	SA11. Communicate with upstream and downstream teams
	SA12. Work in a team and other behavioral skills required to support the small group
	activities (Quality Circle, Cross Functional Team, Suggestion Scheme)
	Integrity
	The user/individual on the job needs to know and understand how to:
	SA13. Practice honesty with respect to company property and time
	SA14. Communicate with people in a form and manner and using language that is open and respectful
	SA15. Resolve any difficulties in relationships with colleagues , or get help from an appropriate person, in a way that preserves goodwill and trust
	Motivation
	The user/individual on the job needs to know and understand how to:
	SA16. Take responsibility for completing one's own work assignment
	SA17. Take initiative to enhance/learn skills in ones's area of work
	SA18. The capacity to learn from experience in a range of settings and scenarios and the capacity to reflect on and analyse one's learning.
	SA19. Is open to new ways of doing things
	SA20. The capacity to envisage and articulate personal goals; to develop strategies and take action to achieve them.
	Reliability
	The user/individual on the job needs to know and understand how to:
	<ul> <li>SA21. Avoid absenteeism</li> <li>SA22. Act objectively , rather than impulsively or emotionally when faced with difficult/stressful or emotional situations</li> </ul>
	SA23. Work in disciplined factory environment
	SA24. Be punctual
	Decision Making
3.Professional Skills	The user/individual on the job needs to know and understand how to:
	Handle internal mixer, accessories
	Handle rubber compound
	Handle chemicals
	Handling of various types of material handling equipment like forklifts, trolleys
	The capacity to apply technology, combining the physical and sensory skills needed to
	anounte opuigment with the understanding of scientific and technological principles

operate equipment with the understanding of scientific and technological principles









needed to explore and adapt systems.
Plan and Organize
The user/individual on the job needs to know and understand how to:
SB2. seek clarification on problems from others
SB3. apply problem-solving approaches in different situations
SB4. refer anomalies to the line manager
Customer Centricity
Application of basic sciences (chemistry), mathematics
Application of statistics
Use of computer/ application software
Problem Solving
The user/individual on the job needs to know and understand how to:
SB 5. Interpret quality for sheet
SB 6. Suggest improvements(if any) in process/product/materials based on results and experience
Analytical Thinking
The user/individual on the job needs to know and understand how to: SB7. Proper collection of waste material
SB8. Identify defects in the material and communicate it at the earliest and suggest
improvements(if any) in process/material based on experience
Diagnose common problems in the machine based on visual inspection, sound,
temperature etc
Suggest improvements (if any) in process based on experience
Critical Thinking
The user/individual on the job needs to know and understand how to:
SB9. Handle equipment/rubber sheet SB6. seek clarification on problems from others
SB10. apply problem-solving approaches in different situations
SB11. refer anomalies to the line manager
Critical Thinking The user/individual on the job needs to know and understand how to: SB9. Handle equipment/rubber sheet SB6. seek clarification on problems from others SB10. apply problem-solving approaches in different situations







### **NOS Version Control**

NOS Code	RSC / N 5001		
Credits(NSQF)	5	Version number	1.0
Industry	Rubber Manufacturing	Drafted on	20/03/13
Industry Sub-sector	Tyre and Non- tyre	Last reviewed on	29/12/15
Occupation	Lab Chemist	Next review date	29/12/17



Back to QP



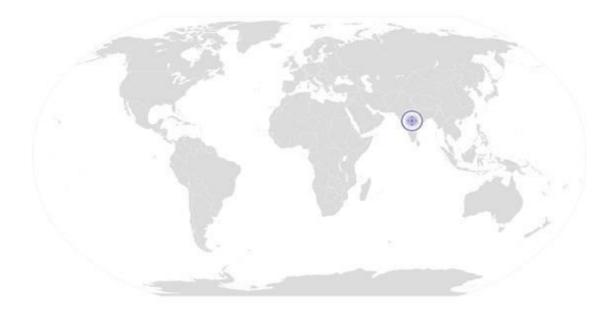






**To Carry Out Reporting And Documentation** 

# **National Occupational** Standard



### **Overview**

This unit is about reporting and documentation









RSC/ N 5002	To Carry Out Reporting And Documentation			
Unit Code	RSC / N 5002			
Unit Title (Task)	To carry out reporting and documentation			
Description	This unit is about carrying out reporting and documentation			
Scope	This unit/task covers the following:			
	Reporting of data/problem/incidents etc			
	Documentation			
	Information Security			
Performance Criteria (I	PC) w.r.t. the Scope			
Element	Performance Criteria			
Reporting	To be competent, the user/individual on the job must be able to: PC1. Report data/problems/incidents as applicable in a timely manner PC2. Report to the appropriate authority as laid down by the company PC3. Follow reporting procedures as prescribed by the company			
Recording and Documentation	<ul> <li>PC4. Identify documentation to be completed relating to one's role</li> <li>PC5. Record details accurately an appropriate format</li> <li>PC6. Complete all documentation within stipulated time according to company procedure</li> <li>PC7. Ensure that the final document meets with the requirements of the persons who requested it or make any amendments accordingly</li> <li>PC8. Make sure documents are available to all appropriate authorities to inspect</li> </ul>			
Information Security	<ul> <li>PC9. Respond to requests for information in an appropriate manner whilst following organizational procedures</li> <li>PC10. Inform the appropriate authority of requests for information received</li> </ul>			
Knowledge and Unders	standing (K)			
B. Technical Knowledge	The user/individual on the job needs to know and understand: KA1. Different methods of recording information KA2. Various documents that need to be maintained KA3. Company procedure for filling/maintaining up the documents KA4. Procedures for reporting to the appropriate authority KA5. Procedures for recording damage, breakages etc KA6. Reporting incidents where standard operating procedures are not followed KA7. The importance of complete and accurate documentation KA8. How to maintain complete documentation accurately and within agreed			









RSC/ N 5002	To Carry Out Reporting And Documentation
	KA9. The importance of ensuring that the documents are correct
	KA10. The actions to be taken if the documents are not correct
	KA11. The importance of maintaining the security and confidentiality of recorded
	information
	KA12. Procedures to maintain confidentiality of information
	KA13. The appropriate method for responding to requests for information
	KA14. The reporting procedures to followed before disclosing information to any
	outside party
Skills (S)	
Skills (S)	
	Writing Skills
	The user/ individual on the job needs to know and understand how to:
	SA1. Construct simple sentences and express ideas clearly through written
	communication
	SA2. Fill up appropriate technical forms, process charts, activity logs in required
	format of the company
	SA3. Write simple letters, mails, etc
A Corro Skille /	SA4. Perform functional mathematical operations, including apply basic
A. Core Skills/	mathematical principles, such as numbers and space, and techniques such as
Generic Skills	estimation and approximation, for practical purposes
	Reading Skills
	The user/individual on the job needs to know and understand how to:
	SA5. Read and understand manuals, health and safety instructions, memos, reports,
	job cards etc
	SA6. Read images, graphs, diagrams
	SA7. Understand the various coding systems as per company norms
	Oral Communication (Listening and Speaking skills)

RSC/ N 5002





N · 5 · D · C National Skill Development Corporation

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RSC/ N 5002	To Carry Out Reporting And Documentation
	The user/individual on the job needs to know and understand how to:
	SA8. Express statements, opinions or information clearly so that others can hear
	and understand
	SA9. Respond appropriately to any queries
	SA10. Communicate with supervisor
	SA11. Communicate with upstream and downstream teams
	SA12. Work in a team and other behavioral skills required to support the small group
	activities (Quality Circle, Cross Functional Team, Suggestion Scheme)
	Integrity
	The user/individual on the job needs to know and understand how to:
	SA13. Practice honesty with respect to company property and time
	SA14. Communicate with people in a form and manner and using language that is
	open and respectful
	SA15. Resolve any difficulties in relationships with colleagues , or get help from an
	appropriate person, in a way that preserves goodwill and trust
	Motivation
	The user/individual on the job needs to know and understand how to:
	SA16. Take responsibility for completing one's own work assignment
	SA17. Take initiative to enhance/learn skills in ones's area of work
	SA18. The capacity to learn from experience in a range of settings and scenarios and
	the capacity to reflect on and analyse one's learning.
	SA19. Is open to new ways of doing things
	SA20. The capacity to envisage and articulate personal goals; to develop strategies
	and take action to achieve them.
	Reliability
	The user/individual on the job needs to know and understand how to:
	SA21. Avoid absenteeism
	SA22. Act objectively , rather than impulsively or emotionally when faced with
	difficult/stressful or emotional situations
	SA23. Work in disciplined factory environment
	SA24. Be punctual
	SA24. De punctual
	Decision Making
B.Professional Skills	The user/individual on the job needs to know and understand how to:
D.FTOTESSIONAL SKIIIS	The user/individual of the job fleeds to know and understand how to.
	Handle internal mixer, accessories
	Handle rubber compound
	Handle chemicals
	Handling of various types of material handling equipment like forklifts, trolleys
	The capacity to apply technology, combining the physical and sensory skills needed to
	operate equipment with the understanding of scientific and technological principles









### To Carry Out Reporting And Documentation

needed to explore and adapt systems.

#### Plan and Organize

The user/individual on the job needs to know and understand how to:

SB2. seek clarification on problems from others

SB3. apply problem-solving approaches in different situations

SB4. refer anomalies to the line manager

### **Customer Centricity**

Application of basic sciences (chemistry), mathematics Application of statistics

Use of computer/ application software

### **Problem Solving**

The user/individual on the job needs to know and understand how to:

SB 5. Interpret quality for sheet

SB 6. Suggest improvements(if any) in process/product/materials based on results and experience

### **Analytical Thinking**

The user/individual on the job needs to know and understand how to:

SB7. Proper collection of waste material

SB8. Identify defects in the material and communicate it at the earliest and suggest improvements(if any) in process/material based on experience

Diagnose common problems in the machine based on visual inspection, sound ,

temperature etc

Suggest improvements (if any) in process based on experience

**Critical Thinking** 

The user/individual on the job needs to know and understand how to:

SB9. Handle equipment/rubber sheet SB6. seek clarification on problems from others

SB10. apply problem-solving approaches in different situations

SB11. refer anomalies to the line manager









To Carry Out Reporting And Documentation

NOS Code	RSC / N 5002		
Credits(NSQF)	5	Version number	1.0
Industry	Rubber Manufacturing	Drafted on	20/03/13
Industry Sub-sector	Tyre and Non- tyre	Last reviewed on	29/12/15
Occupation	Lab Chemist	Next review date	29/12/17



Back to QP











### **Overview**

This unit is about carrying out quality checks



RSC / N 5003

Unit Code



National Occupational Standards





### **To Carry Out Quality Checks**

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Unit Title (Task)	To carry out quality checks			
Description	This unit is about carrying out quality control activities			
Scope	<ul> <li>This unit/task covers the following:</li> <li>Carrying out quality checks to identify problems</li> <li>Take corrective actions</li> <li>Reporting the results</li> </ul>			
Performance Criteria (I	PC) w.r.t. the Scope			
Element	Performance Criteria			
Inspection	To be competent, the user/individual on the job must be able to: PC1. Ensure that total range of checks are regularly and consistently performed PC2. Use appropriate measuring instruments, equipment, tools, accessories etc ,as required			
Analysis	<ul> <li>PC3. Identify non-conformities to quality assurance standards</li> <li>PC4. Identify potential causes of non-conformities to quality assurance standards</li> <li>PC5. Identify impact on final product due to non-conformance to company standards</li> <li>PC6. Evaluating the need for action to ensure that problems do not recur</li> <li>PC7. Suggest corrective action to address problem</li> <li>PC8. Review effectiveness of corrective action</li> </ul>			
Reporting	<ul> <li>PC9. Interpret the results of the quality check correctly</li> <li>PC10. Take up results of the findings with QC in charge/appropriate authority.</li> <li>PC11. Take up the results of the findings within stipulated time</li> <li>PC12. Record of results of action taken</li> <li>PC13. Record adjustments not covered by established procedures for future reference</li> <li>PC14. Review effectiveness of action taken</li> <li>PC15. Follow reporting procedures where the cause of defect cannot be identified</li> </ul>			
Knowledge and Unders	standing (K)			
A. Technical Knowledge	<ul> <li>The user/individual on the job needs to know and understand:</li> <li>KB1. The importance of quality control procedures</li> <li>KB2. Relevance and importance of activities and how they contribute to the achievement of the quality objectives,</li> </ul>			







RSC/ N 5003	
	KB3. Proper procedure for selecting the material/product and performing quality
	checks without affecting the material
	KB4. Availability of work instructions, as necessary,
	KB5. Characteristics of the product/material
	KB6. Use of suitable equipment
	KB7. Availability and use of monitoring and measuring devices,
	KB8. Requirements of records
	KB9. Importance of maintaining accurate up-to-date records
	KB10. The need to report within the stipulated time
	KB11. Implications of inaccurate measuring and testing instruments and equipment
	KB12. The cost of non-conformance to quality standards
	KB13. Implications (impact on internal/external customers) of defective products,
	materials or components
Skills (S)	
	Writing Skills
	The user/ individual on the job needs to know and understand how to:
	SA1. Express ideas clearly through written communication
	SA2. Fill up quality inspection reports clearly, concisely and accurately as per
	company procedures
	SA3. Write simple letters, mails, etc
	R Laws
	Deading Chille
	Reading Skills
	The user/individual on the job needs to know and understand how to:
	SA4. Read and understand manuals, health and safety instructions, memos, reports
A. Core Skills/	etc
Generic Skills	SA5. Read images, graphs, diagrams and interpret them
	SA6. Ability to read from different material sources – books, screens in machines,
	web, etc
	SA7. Understand the various color codes, as per company nomenclature
	Oral Communication (Listening and Speaking skills)
	The user/individual on the job needs to know and understand how to:
	The user/individual on the job needs to know and understand how to: SA8. Express statements, opinions or information clearly so that others can hear
	and understand
	SA9. Participate in and understand the main points of simple discussions
	SA10. Respond appropriately to any queries SA11. Communicate with supervisor
	SATT. Communicate with supervisor
	Decision Making







RSC/ N 5003	To Carry Out Quality Checks
<b>B.Professional Skills</b>	The user/individual on the job needs to know and understand how to:
	Handle internal mixer, accessories
	Handle rubber compound
	Handle chemicals
	Handling of various types of material handling equipment like forklifts, trolleys
	The capacity to apply technology, combining the physical and sensory skills needed to
	operate equipment with the understanding of scientific and technological principles
	needed to explore and adapt systems.
	Plan and Organize
	The user/individual on the job needs to know and understand how to:
	SB2. seek clarification on problems from others
	SB3. apply problem-solving approaches in different situations
	SB4. refer anomalies to the line manager
	Customer Centricity
	Application of basic sciences (chemistry), mathematics
	Application of statistics
	Use of computer/ application software
	Problem Solving
	The user/individual on the job needs to know and understand how to:
	SB 5. Interpret quality for sheet
	SB 6. Suggest improvements(if any) in process/product/materials based on results and
	experience
	Analytical Thinking
	The user/individual on the job needs to know and understand how to: SB7. Proper collection of waste material
	SB8. Identify defects in the material and communicate it at the earliest and suggest
	improvements(if any) in process/material based on experience
	Diagnose common problems in the machine based on visual inspection, sound,
	temperature etc
	Suggest improvements(if any) in process based on experience
	Critical Thinking
	The user/individual on the job needs to know and understand how to:
	SB9. Handle equipment/rubber sheet SB6. seek clarification on problems from others
	SB10. apply problem-solving approaches in different situations
	SB11. refer anomalies to the line manager







### **NOS Version Control**

NOS Code	RSC / N 5003			
Credits(NSQF)	5	Version number	1.0	
Industry	Rubber Manufacturing	Drafted on	20/03/13	
Industry Sub-sector	Tyre and Non- tyre	Last reviewed on	29/12/15	
Occupation	Lab Chemist	Next review date	29/12/17	











**To Carry Out Problem Identification And Escalation** 

# National Occupational Standard



**Overview** 

This unit is about problem identification and escalation









National Occupational Standards To Carry Out Problem Identification And Escalation

RSC/ N 5004	To Carry Out Problem Identification And Escalation
Unit Code	RSC / N 5004
Unit Title (Task)	To carry out problem identification and escalation
Description	This unit is about problem identification and escalation
Scope	This unit/task covers the following:
	Identify problems across:
	- Raw materials
	- Compounds
	- Product
	- Equipment
	- Others
	<ul> <li>Identify solutions to problems</li> <li>Take corrective action</li> </ul>
	<ul> <li>Escalation of unresolved identified problems</li> </ul>
Performance Criteria (I	
Element	Performance Criteria
Problem Identification	<ul> <li>To be competent, the user/individual on the job must be able to:</li> <li>PC1. Identify defects/indicators of problems</li> <li>PC2. Identify any wrong practices that may lead to problems</li> <li>PC3. Identify practices that may impact the final product quality</li> <li>PC4. Identify if the problem has occurred before</li> <li>PC5. Identify other operations that might be impacted by the problem</li> <li>PC6. Ensure that no delays are caused as a result of failure to escalate problems</li> </ul>
Necessary Action	<ul> <li>PC7. Take appropriate materials and sample, conduct tests and evaluate results to establish reasons to confirm suspected reasons for non-conformance (where required)</li> <li>PC8. Consider possible reasons for identification of problems</li> <li>PC9. Consider applicable corrections and formulate corrective action</li> <li>PC10. Formulate action in a timely manner</li> <li>PC11. Communicate problem/remedial action to appropriate parties</li> <li>PC12. Take corrective action in a timely manner</li> <li>PC13. Take corrective action for problems identified according to the company procedures</li> <li>PC14. Report/document problem and corrective action in an appropriate manner</li> <li>PC15. Monitor corrective action</li> <li>PC16. Evaluate implementation of corrective action taken to determine if the problem has been resolved</li> </ul>









RUBBER SKILL DEVELOPMENT COUNCIL	National Occupational Standards MINISTRY OF SKILL DEVELOPMENT Transforming the s				
RSC/ N 5004	To Carry Out Problem Identification And Escalation				
	PC17. Ensure that corrective action selected is viable and practical				
	PC18. Ensure that correct solution is identified to an identified problem				
	PC19. Take corrective action for problems identified according to the company				
	procedures				
	PC20. Ensure that no delays are caused as a result of failure to take necessary action				
	PC21. Escalate problem as per laid down escalation matrix				
	PC22. Escalate the problem within stipulated time				
Problem Escalation	PC23. Escalate the problem in an appropriate manner				
	PC24. Ensure that no delays are caused as a result of failure to escalate problems				
Knowledge and Unders					
	The user/individual on the job needs to know and understand:				
	KB1. Indicators of problems				
	KB2. The working of the equipment and accessories( if applicable)				
	KB3. The impact of operations on the user and equipment( if applicable)				
	KB3. The impact of operations on the final product ( if applicable)				
	KB5. The effect of not rectifying the problems identified				
	KB6. The reason for the occurrence of previous problems				
B. Technical	KB7. Measures and steps that have been taken to address the previous problems				
Knowledge	KB8. Possible solutions for various problems				
	KB9. The correct method for carrying out corrective actions outlined for each				
	problem				
	KB10. The impact of not carrying out the corrective actions				
	KB11. The documentation procedure for recording such problems, as per company				
	norms				
	KB12. The escalation matrix for reporting problems				
	KB13. Escalation matrix for reporting unresolved problems				
	KB14. The time frame within which in which each problem needs to be escalated				
	KB15. Manner in which each problem needs to be escalated				
Skills (S)					
	Writing Skills				
	The user/ individual on the job needs to know and understand how to:				
	SA1. Construct simple sentences and express ideas clearly through written				
	communication				
A. Core Skills/	SA2. Fill up appropriate technical forms, process charts, activity logs in required				
Generic Skills	format of the company				
	SA3. Write simple letters, mails, etc				
	SA4. Perform functional mathematical operations, including apply basic				
	mathematical principles, such as numbers and space, and techniques such as				
	estimation and approximation, for practical purposes				
	estimation and approximation, for practical purposes				





N·S·D·C National Skill Develo Corporation

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RSC/ N 5004	To Carry Out Problem Identification And Escalation				
	Reading Skills				
	The user/individual on the job needs to know and understand how to:				
	SA5. Read and understand manuals, health and safety instructions, memos, reports,				
	job cards etc				
	SA6. Read images, graphs, diagrams				
	SA7. Understand the various coding systems as per company norms				
	Oral Communication (Listening and Speaking skills)				
	The user/individual on the job needs to know and understand how to:				
	SA8. Express statements, opinions or information clearly so that others can hear and understand				
	SA9. Respond appropriately to any queries				
	SA10. Communicate with supervisor				
	SA11. Communicate with upstream and downstream teams				
	SA12. Work in a team and other behavioral skills required to support the small group				
	activities (Quality Circle, Cross Functional Team, Suggestion Scheme)				
	Integrity				
	The user/individual on the job needs to know and understand how to:				
	SA13. Practice honesty with respect to company property and time				
	SA14. Communicate with people in a form and manner and using language that is				
	open and respectful				
	SA15. Resolve any difficulties in relationships with colleagues , or get help from an				
	appropriate person, in a way that preserves goodwill and trust				
	Motivation				
	The user/individual on the job needs to know and understand how to:				
	SA16. Take responsibility for completing one's own work assignment				
	SA17. Take initiative to enhance/learn skills in ones's area of work				
	SA18. The capacity to learn from experience in a range of settings and scenarios and				
	the capacity to reflect on and analyse one's learning.				
	SA19. Is open to new ways of doing things				
	SA20. The capacity to envisage and articulate personal goals; to develop strategies and take action to achieve them.				
	Reliability				
	The user/individual on the job needs to know and understand how to:				
	SA21. Avoid absenteeism				
	SA22. Act objectively , rather than impulsively or emotionally when faced with				
	difficult/stressful or emotional situations				
	SA23. Work in disciplined factory environment				
	SA24. Be punctual				
	Decision Making				









UBBER SKILL DEVELOPMENT COUNCIL	National Occupational Standards MINISTRY OF SKILL DEVELOPMENT & ENTREPRENEURSHIP
RSC/ N 5004	To Carry Out Problem Identification And Escalation
B.Professional Skills	The user/individual on the job needs to know and understand how to:
	Handle internal mixer, accessories
	Handle rubber compound
	Handle chemicals
	Handling of various types of material handling equipment like forklifts, trolleys
	The capacity to apply technology, combining the physical and sensory skills needed to
	operate equipment with the understanding of scientific and technological principles
	needed to explore and adapt systems.
	Plan and Organize
	The user/individual on the job needs to know and understand how to:
	SB2. seek clarification on problems from others
	SB3. apply problem-solving approaches in different situations
	SB4. refer anomalies to the line manager
	Customer Centricity
	Application of basic sciences (chemistry), mathematics
	Application of statistics
	Use of computer/ application software
	Problem Solving
	The user/individual on the job needs to know and understand how to:
	SB 5. Interpret quality for sheet
	SB 6. Suggest improvements(if any) in process/product/materials based on results and
	experience
	Analytical Thinking
	The user/individual on the job needs to know and understand how to: SB7. Proper collection of waste material
	SB8. Identify defects in the material and communicate it at the earliest and suggest
	improvements(if any) in process/material based on experience
	Diagnose common problems in the machine based on visual inspection, sound ,
	temperature etc
	Suggest improvements(if any) in process based on experience
	Critical Thinking
	The user/individual on the job needs to know and understand how to:
	SB9. Handle equipment/rubber sheet SB6. seek clarification on problems from others
	SB10. apply problem-solving approaches in different situations
	SB11. refer anomalies to the line manager









To Carry Out Problem Identification And Escalation











National Occupational Standards To Carry Out Problem Identification And Escalation

NOS Code	RSC / N 5004				
Credits(NSQF)	5	Version number	1.0		
Industry	Rubber Manufacturing	Drafted on	20/03/13		
Industry Sub-sector	Tyre and Non- tyre	Last reviewed on	29/12/15		
Occupation	Lab Chemist	Next review date	29/12/17		



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### **CRITERIA FOR ASSESSMENT OF TRAINEES**

Job Role: Lab Chemist - Cured Compound testing

Qualification Pack Code: RSC/ Q 0314

Sector Skill Council: Rubber Skill Development Council

### **Guidelines for Assessment**

1. Criteria for assessment for each Qualification Pack will be created by the Sector Skill Council. Each Performance Criteria (PC) will be assigned marks proportional to its importance in NOS. SSC will also lay down proportion of marks for Theory and Skills Practical for each PC

The assessment for the theory part will be based on knowledge bank of questions created by the SSC
 Individual assessment agencies will create unique question papers for theory part for each candidate at each examination/training center (as per assessment criteria below)

4. Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/training center based on this criteria

5. To pass the Qualification Pack, every trainee should score a minimum of 70% in every NOS

6. In case of successfully passing only certain number of NOS's, the trainee is eligible to take subsequent assessment on the balance NOS's to pass the Qualification Pack

Assessment Strategy				Marks Allocation		
NOS	Elements	Performance Criteria		Theo ry	Practic al	
		PC1. Determine the minimum amount of compound required for testing to achieve the desired level of confidence in the tests.	2	0	2	
		PC2. Sample the compound as per SOP	1	0	1	
		PC3. Sampling should be as per process flow sheet with control points	2	0	2	
	Sample collection	PC4. Ensure that sample is suitable for test/analysis	2	2	0	
1. RSC/N1401 To Carry Out Testing Of Cured Compund		PC5. Mould compound to appropriate standard test specimens (button/ dumbbell / slab)for testing	2	0	2	
		PC6. Identify the defect/problem in in in inappropriate sample	4	3	1	
		PC7. Follow the procedure (SOP) laid down by the company while labeling/numbering samples	4	4	0	
	Sample integrity	PC8. Follow procedures (SOP) to maintain conditioning of the sample (eg. Time, temperature, humidity, mechanical stress etc) as per SOP		1	3	
		PC9. Follow SOP to store sample for future/further testing		2	1	
	Equipment readiness	PC10. Identify the most appropriate equipment such as Rheometer, Mooney Viscometer and	4	2	2	

	accessories for testing			
	PC11. Set up appropriate equipment or apparatus for testing as per SOP, by running	6	2	4
	the reference test specimen	0		
	PC12. Calibrate/validate/verify the testing			
	equipment periodically as per standard	6	2	
	procedures.	Ŭ	-	
	PC13. Identify defective equipment/apparatus			
	and steps to be taken	4	2	
	PC14. Identify appropriate tests like Specific			
	Gravity, Dispersion, Rheometry, Mooney			
	viscosity, Hardness, Tensile, Elongation,			
	Modulus, Tear, low temperature properties,			
	ozone resistance, aging properties, abrasion	6	2	4
Sample	resistance, rebound resilience, set properties,			
testing	electrical properties, Tear resistance,			
	Dispersion, Heat build up, swelling as per			
	requirement /Standards.			
	PC15. Carry out tests as per requirement and in			
	accordance with SOP and desired individual	8	2	(
	test frequency			
	PC16. Keep tools and accessories like calculator			
	ready before starting the analysis in accordance	2	0	
	to the standard (IS/ISO or other international standards)			
Data	PC17. Ensure that the accuracy and periodicity			
analysis	of the data captured in records is as per SOP	3	1	
anarysis	PC18. Identify appropriate technique in			
	evaluating result	4	1	
	PC19. Interpret the results correctly using the		_	
	identified technique(s)	4	2	
	PC20. Record and maintain data as per	ſ	0	
Recording	company SOP	2	0	
Recording	PC21. Ensure that reports/records are accurate	2	0	
	and clear	2	U	4
	PC22. Release or Hold the raw material as per	2	2	
Reporting	finding for further processing.		_	
	PC23. Take up the results of the findings with	2	2	(
	supplier/QC in-charge/appropriate authority.			
	PC24. Ensure Housekeeping and Safety in	2	2	(
	mixing area			
Health and	PC25. Handle the equipment properly	4	0	4
	PC26. Ensure samples and chemicals are	n	_	.
Safety	carefully handled to avoid accidental spillage of chemicals.	2	0	
	PC27. Conduct the experiments wearing the			├──
	appropriate attire such as safety goggles,	3	0	3

		gloves, closed toe shoes, long pants, tied hair			
		PC28. Dispose all the materials used in the experiment safely	2	2	0
		PC29. Use safety equipment such as fire extinguishers, fire blankets, and eye-wash stations.	2	2	0
		PC30. Escalate matters in case of any accidents, spills etc.	1	1	0
		PC31. Comply with health, safety, environment guidelines, regulations etc in accordance with international/national standards or organizational standards	1	1	0
		PC32. Carry out disposal of waste and left over tested material safely as per SOP	2	0	2
	Material disposal	PC33. Dispose all materials used in the experiment safely as per Health and Safety management system of the company	2	0	2
			100	40	60
		PC1. Inspect the area while taking into account various surfaces	3	3	0
		PC2. Identify the material requirements for cleaning the areas inspected, by considering risk, time, efficiency and type of stain	3	3	0
		PC3. Ensure that the cleaning equipment is in proper working condition	3	3	0
	Pre housekeepin	PC4. Select the suitable alternatives for cleaning the areas in case the appropriate equipment and materials are not available and inform the appropriate person	3	3	0
2.	g activities	PC5. Plan the sequence for cleaning the area to avoid re-soiling clean areas and surfaces	3	3	0
RSC/N5001 To Carry Out		PC6. Inform the affected people about the cleaning activity	2	2	0
Housekeepin		PC7. Display the appropriate signage for the work being conducted	3	3	0
0		PC8. Ensure that there is adequate ventilation for the work being carried out	3	3	0
		PC9. Wear the personal protective equipment required for the cleaning method and materials being used	3	3	0
	Operations	PC10. Use the correct cleaning method for the work area, type of soiling and surface	3	3	0
		PC11. Carry out cleaning activity without disturbing others	3	3	0
	•••••••••	PC12. Deal with accidental damage, if any, caused while carrying out the work	3	3	0
		PC13. Report to the appropriate person any	3	3	0

		difficulties in carrying out your work			
		PC14. Identify and report to the appropriate person any additional cleaning required that is outside one's responsibility or skill	3	3	0
		PC15. Ensure that there is no oily substance on the floor to avoid slippage	9	3	6
		PC16. Ensure that no scrap material is lying around	9	3	6
		PC17. Maintain and store housekeeping equipment and supplies	3	3	0
	g activities –	PC18. Follow workplace procedures to deal with any accidental damage caused during the cleaning process	3	3	0
		PC19. Ensure that, on completion of the work, the area is left clean and dry and meets requirements	8	2	6
		PC20. Return the equipment, materials and personal protective equipment that were used to the right places making sure they are clean, safe and securely stored	3	3	0
		PC21. Dispose the waste garnered from the activity in an appropriate manner	9	3	6
		PC22. Dispose of used and un-used solutions according to manufacturer's instructions, and clean the equipment thoroughly	9	3	6
	Carriel	PC23. Maintain schedules and records for housekeeping duty	3	3	0
	General	PC24. Replenish any necessary supplies or consumables	3	3	0
			100	70	30
		PC1. Report data/problems/incidents as applicable in a timely manner	12	8	4
	Reporting	PC2. Report to the appropriate authority as laid down by the company	12	8	4
3. RSC/N		PC3. Follow reporting procedures as prescribed by the company	12	3 3 3 70 8	4
5002 To Carry Out		PC4. Identify documentation to be completed relating to one's role	10	6	4
on	Pocording	PC5. Record details accurately an appropriate format	16	6	10
	Recording and Documentati on	PC6. Complete all documentation within stipulated time according to company procedure	14	4	10
		PC7. Ensure that the final document meets with the requirements of the persons who requested it or make any amendments accordingly	6	4	2

		PC8. Make sure documents are available to all appropriate authorities to inspect	6	4	2
	Information Security	PC9. Respond to requests for information in an appropriate manner whilst following organizational procedures	6	6	0
		PC10. Inform the appropriate authority of requests for information received	6	6	0
			100	60	40
	Increation	PC1. Ensure that total range of checks are regularly and consistently performed	24	10	14
	Inspection	PC2. Use appropriate measuring instruments, equipment, tools, accessories etc ,as required	24	10	14
		PC3. Identify non-conformities to quality assurance standards	6	4	2
		PC4. Identify potential causes of non- conformities to quality assurance standards	5	3	2
	Analysis	PC5. Identify impact on final product due to non-conformance to company standards	5	3	2
4.		PC6. Evaluating the need for action to ensure that problems do not recur	6	4	2
RSC/N5003 To Carry Out		PC7. Suggest corrective action to address problem	5	3	2
Quality		PC8. Review effectiveness of corrective action	5	3	2
Checks		PC9. Interpret the results of the quality check correctly	4	4	0
		PC10. Take up results of the findings with QC in charge/appropriate authority.	3	3	0
		PC11. Take up the results of the findings within stipulated time	3	3	0
	Reporting	PC12. Record of results of action taken	3	3	0
		PC13. Record adjustments not covered by established procedures for future reference	3	3	0
		PC14. Review effectiveness of action taken	2	2	0
		PC15. Follow reporting procedures where the cause of defect cannot be identified	2	2	0
			100	60	40
		PC1. Identify defects/indicators of problems	7	4	3
5. RSC/NE004		PC2. Identify any wrong practices that may lead to problems	6	3	3
To Carry Out		PC3. Identify practices that may impact the final product quality	6	3	3
Problem Identificatio	Identificatio n	PC4. Identify if the problem has occurred before	5	3	2
n And Escalation		PC5. Identify other operations that might be impacted by the problem	6	4	2
	PC6. Ensure that no delays are caused as a	5	3	2	

	result of failure to escalate problems			
	PC7. Take appropriate materials and sample,			
	conduct tests and evaluate results to establish	8	5	2
	reasons to confirm suspected reasons for non-	ð	5	3
l	conformance (where required)			
	PC8. Consider possible reasons for	•	-	2
	identification of problems	8	5	3
	PC9. Consider applicable corrections and	2	2	_
	formulate corrective action	3	3	0
	PC10. Formulate action in a timely manner	3	3	0
	PC11. Communicate problem/remedial action	_	-	_
	to appropriate parties	7	5	2
	PC12. Take corrective action in a timely manner	2	2	0
	PC13. Take corrective action for problems			
	identified according to the company	2	2	0
Necessary	procedures			
Action	PC14. Report/document problem and	_	_	_
	corrective action in an appropriate manner	8	5	3
	PC15. Monitor corrective action	2	2	0
	PC16. Evaluate implementation of corrective			
	action taken to determine if the problem has	2	2	0
	been resolved			
	PC17. Ensure that corrective action selected is	2	2	0
	viable and practical	2	2	0
	PC18. Ensure that correct solution is identified	2	2	0
	to an identified problem	2	Z	0
	PC19. Take corrective action for problems			
	identified according to the company	1	1	0
	procedures			
	PC20. Ensure that no delays are caused as a	1	1	0
	result of failure to take necessary action	L	T	0
Problem Escalation	PC21. Escalate problem as per laid down	4	3	1
	escalation matrix	4	5	1
	PC22. Escalate the problem within stipulated	4	3	1
	time	4	5	L
	PC23. Escalate the problem in an appropriate	3	2	1
	manner	3	۷	1
	PC24. Ensure that no delays are caused as a	3	2	1
	result of failure to escalate problems	5	2	
		100	70	30