

# Quality Assurance Chemist

**Aliases:** Chemist Quality Assurance, Chemist Quality Management, QA Chemist, QA Executive Pharma, Officer QA, Team Member Quality Assurance, Quality Assurance Scientist

**Industry/Sector(s):** Life Sciences

## JOB DESCRIPTION <sup>1</sup>

The tasks a Quality Assurance Chemist is expected to perform include:

- Conducting pre, post and in-process quality checks to ensure compliance with regulatory standards and procedures
- Conducting self-inspections and qualification activities during installation of new equipment and other analytical instruments
- Monitoring documents and data control for processes, validation and qualification activities of machines
- Checking and verifying material, quality management systems and manufacturing facility
- Monitoring and reviewing batch manufacturing, packing documents, analytical records, good manufacturing practices, etc.
- Managing activities such as audits, regulatory agency inspections or product recalls
- Identifying and developing appropriate quality monitoring arrangements and maintaining standard operating procedures
- Maintaining a healthy, safe and secure working environment
- Co-ordinating with the Supervisor and other team members

## WORK ENVIRONMENT <sup>1, 15, 16</sup>

- It is not only a desk job
- Need not handle a team
- Travelling is required
- Part-time work is available
- Work from home option is not available

### Working hours

- Organizations usually work for 5/6 days a week and 8/9 hours everyday. This may vary from organization to organization
- Shift system is available

### Is the job suitable for a candidate with special needs?

*This may vary from organization to organization*

## EDUCATIONAL QUALIFICATIONS AND TRAINING <sup>1</sup>

- Preferably, B. Pharma/B. Science Or M.Pharma/M.Sc. (preferably Chemistry)
- Certified training for Quality Assurance Chemist (programme aligned to LFS/Q 0301 released by Life Sciences Sector Skill Development Council)

## KEY COMPETENCIES <sup>1</sup>

- Knowledge of the composition/requirements of the products manufactured and packaging specifications for different products
- In-depth understanding and knowledge of regulatory requirements, good manufacturing practices, acceptance criteria and standard operating procedures
- Expertise in qualification and validation procedures
- Detailed knowledge of regulatory audits
- 1 year of training for entry level Chemist is mandatory GXP (GLP, GDP, GMP)
- Knowledge of pharmaceutical industry, government rules and regulations and standards of manufacturing
- Basic knowledge of formulation and API
- Basic understanding of the fundamental science of API production
- In-depth knowledge of various QMS for pharma manufacturing
- Basic knowledge of various documentation as per GMP and QMS guidelines
- Ability to analyse data, pharmaceutical analytics and process safety analysis
- Knowledge of safety and how to handle an emergency/hazard
- Knowledge of job safety analysis for various production machines and equipment
- Knowledge of how to conduct audits and audit reporting

## DESIRABLE COMPETENCIES <sup>1</sup>

- Knowledge of chemical substances, their characteristics and required precaution and safety measures
- Knowledge of analytical equipment like HPLC, UV, GC, IR, NMR, etc.
- Quality training
- Communication skills
- Problem solving skills
- Decision-making skills

## AVAILABLE SKILL TRAINING AND LEARNING INSTITUTES

- Manipal College of Pharmaceutical Sciences, Manipal  
<http://manipal.edu/mcops-manipal.html>
- University institute of pharmaceutical sciences, Chandigarh  
<http://uips.puchd.ac.in/>
- Jamia Hamdard, New Delhi  
<http://jamiahamdard.edu/>
- Affiliated Training Partners of Life Science Sector Skill Development Council  
<http://lssdc.in/PartnerList.aspx>
- The National Skill Certification and Monetary Reward Scheme  
<http://nscsindia.org/NSCSTrainingPartners.aspx>
- Affiliated Training Partners of Life Science Sector Skill Development Council  
<http://lssdc.in/PartnerList.aspx>
- The National Skill Certification and Monetary Reward Scheme  
<http://nscsindia.org/NSCSTrainingPartners.aspx>

## AVAILABLE SKILL TRAINING SCHEMES/SCHOLARSHIPS

For scholarship and schemes, use further links like:

- <https://scholarships.gov.in/main.do>

## SAMPLE OF TRAINING AND LEARNING COURSES

[www.ictmumbai.edu.in/uploaded\\_files/B.Pharm\\_all\\_Sem.Syllabus.pdf](http://www.ictmumbai.edu.in/uploaded_files/B.Pharm_all_Sem.Syllabus.pdf)

## CAREER PROGRESSION PATH <sup>17</sup>

CEO/Head of Site/Company



Head Quality Assurance



General Manger Quality Assurance



Manager Quality Assurance



Sr. Chemist Quality Assurance



**Quality Assurance Chemist**



Trainee

*The progression is indicative*

### Transfer option

◆India: Yes

●Abroad: Yes

(\*This field to open the relevant job title when clicked)

### EXPECTED EARNINGS <sup>16</sup>

●For candidates with experience of over 3 years<sup>1</sup> - Rs 14,500 to Rs 20,800 per months

*These figures are indicative and subject to change*

### REQUIRED WORK EXPERIENCE <sup>16, 1</sup>

●Gerally, 2 years of experience is required in production/quality control in case of B. Pharma/B.Sc

●In case of M.Pharma/M.Sc. no prior experience is required

### PROBABLE EMPLOYERS <sup>16</sup>

Pharmaceutical/chemical manufacturing companies

### PEOPLE'S CORNER

Coming Soon

## KEYWORDS <sup>10</sup>

- Quality Assurance Chemist
- QA Pharma
- Pharma QA
- Quality Chemist
- Chemist Quality Management
- QA Chemist
- QA Executive Pharma
- Officer QA
- Team Member Quality Assurance
- Quality Assurance Scientist
- QA Lab Chemist

## OCCUPATIONAL CODES AND STANDARDS

Standard	Code	Description
NCO 2015	2113.0901	Quality Assurance Chemist
ISCO 2008	2113	Chemists
NIC 2008	21001	Manufacture of medicinal substances used in the manufacture of pharmaceuticals: antibiotics, endocrine products, basic vitamins; opium derivatives; sulpho drugs; serums and plasmas; salicylic acid, its salts and esters; glycosides and vegetable alkaloids; chemically pure sugar etc.
QP Reference	LFS/Q0301	Quality Assurance Chemist
NSQF	5	Not available

## REFERENCES

1	<a href="http://www.nsdcindia.org/sites/default/files/files/Quality%20Assurance%20Chemist_QP_Ver%201.0.pdf">http://www.nsdcindia.org/sites/default/files/files/Quality%20Assurance%20Chemist_QP_Ver%201.0.pdf</a>
2	<a href="http://jobsearch.naukri.com/quality-assurance-chemist-jobs">http://jobsearch.naukri.com/quality-assurance-chemist-jobs</a> <a href="http://www.indiajobssearch.in/search.php?keyword=production+chemist+sr+production+chemist&amp;location=india&amp;page=2">www.indiajobssearch.in/search.php?keyword=production+chemist+sr+production+chemist&amp;location=india&amp;page=2</a>
3	<a href="http://jobsearch.naukri.com/job-listings-Walkin-Interview-for-QA-QC-and-Production-14th-Feb-Saturday-Cipla-Ltd-Bengaluru-Bangalore-3-to-6-years-050215004661?xp=2&amp;qp=quality%20assurance%20chemist&amp;srcPage=s">http://jobsearch.naukri.com/job-listings-Walkin-Interview-for-QA-QC-and-Production-14th-Feb-Saturday-Cipla-Ltd-Bengaluru-Bangalore-3-to-6-years-050215004661?xp=2&amp;qp=quality%20assurance%20chemist&amp;srcPage=s</a>
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5	<p><a href="http://jobsearch.naukri.com/pharma-qa-jobs">http://jobsearch.naukri.com/pharma-qa-jobs</a></p> <p><a href="http://www.indeed.co.in/Quality-Assurance-Pharma-jobs">http://www.indeed.co.in/Quality-Assurance-Pharma-jobs</a></p> <p><a href="http://jobsearch.naukri.com/qc-chemist-jobs">http://jobsearch.naukri.com/qc-chemist-jobs</a></p>
6	<p><a href="http://www.indeed.co.in/jobs?q=QA+Chemist&amp;matchtype=b&amp;network=g&amp;device=c&amp;devicemodel=&amp;creative=51015545716&amp;keyword">http://www.indeed.co.in/jobs?q=QA+Chemist&amp;matchtype=b&amp;network=g&amp;device=c&amp;devicemodel=&amp;creative=51015545716&amp;keyword</a></p>
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8	<p><a href="http://www.pharmabiz.com/ArticleDetails.aspx?aid=85614&amp;sid=21">http://www.pharmabiz.com/ArticleDetails.aspx?aid=85614&amp;sid=21</a></p> <p><a href="http://www.ibef.org/industry/pharmaceutical-india.aspx">http://www.ibef.org/industry/pharmaceutical-india.aspx</a></p>



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11	Not applicable
12	<a href="https://www.infosys.com/industries/life-sciences">https://www.infosys.com/industries/life-sciences</a>
13	<a href="http://www.crest.in/life-sciences-industry-trends-opportunities-and-challenges">http://www.crest.in/life-sciences-industry-trends-opportunities-and-challenges</a>
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