

Analytical Chemist Job Interview

Introduction Part

The introduction phase of interviews is used for orientation. This is a particularly important point in the interview. Everyone involved has to communicate directly for the first time. It really is the 'first impressions' stage. The introduction interview question, typically 'Tell us a bit about yourself' is usually underrated by interviewees. The interviewer is asking for information and background in your own words.

Question Part

- What type of responsibilities have you had in prior work experiences?
- Why did you choose to work at these specific organizations?
- What did you particularly like/dislike about that work?
- What do you know about our organization?
- Why do you want to work in our office, as opposed to other offices that do similar work?
- Where do you see yourself in ten years' time?
- Describe your experience with analytical instrumentation?
- Do you know what Trace metal clean technique is? Describe that technique?
- Describe your experience with quality assurance and quality control analyses?
- Do you have experience with organic extractions or tissue digestions?
- How to Perform a Recrystallization?
- How is the Flame test performed?
- What is Fourier Transform Spectroscopy?
- How will you separate Colorless compound Using Column Chromatography?
- Why do u get different drug release while doing calibration of dissolution test apparatus 1& 2(paddle & basket)?
- What is deference between the working standard and reference standard?
- How do we fix the sample concentration in HPLC method development? What is the basis?
- Suppose we prepared pH buffer solution in lab and calibrate against NIST solution, and same shall going to used up to 30 days. Is it possible to stable pH and appearance? Suggest?
- What have you found to be the best way to analyze organic or inorganic compounds to determine chemical or physical properties, composition, structure, relationships, or reactions, using chromatography, spectroscopy, or spectrophotometry techniques?
- Describe methods you have found effective to maintain laboratory instruments to ensure proper working order and troubleshoot malfunctions when needed.
- What is the use of TLC and HPLC? And when and where use?
- What have you found to be the best way to evaluate laboratory safety procedures to ensure compliance with standards and to make improvements as needed?
- How much time do you spend writing technical papers or reports or prepare standards and specifications for processes, facilities, products, or tests? Share an example.
- Share a time when you willingly took on additional responsibilities or challenges. How did you successfully meet all of the demands of these responsibilities
- Provide a time when you dealt calmly and effectively with a high-stress situation.
- Will you dry DST before factor determination by using KARL fisher Titrator?