Background
Pharmaceutical manufacturers must demonstrate to regulators that a medicine is safe, and effective. To that end, drug ingredients and finished products undergo extensive quality control and analytical testing procedures to check quality attributes such as identity, strength, purity, and bioavailability. The analytical methods, equipment and instrumentation used in these tests must meet proper standards of accuracy, sensitivity, specificity, and reproducibility and be suitable for their intended purpose.

Opportunity to strengthen quality
Pharmaceutical manufacturers and regulators need a trusted source for training and informational resources to equip their workforce with up-to-date knowledge and skills to test for and control product quality, meet regulatory requirements, and protect patients.

USP solutions
USP offers a wide range of education and training options that build and strengthen capabilities to efficiently and effectively use USP standards. Self-directed learning materials and instructor-led sessions support those individuals implementing USP quality standards around the world. Multiple learning resources are organized into curricula, enabling learners to better understand key standards-related topics. Over 110,000 scientific and healthcare professionals have attended courses since 2000.

Learning formats:
- Classroom
- Laboratory
- Live webcast
- On-demand webcast
- Self-paced eLearning
Topics:

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Why it’s important
The accuracy and validity of analytical tests to verify medicine quality depend on the ability of laboratory staff to perform those tests correctly. Education and training programs that correspond to USP documentary standards support manufacturers and regulators with the information and training to properly perform quality tests, helping to secure the availability of quality medicines.

Web resources
- USP Education courses