



# ACTIVITY DESCRIPTION FORM (ADF)

## Accreditation Council for Pharmacy Education

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Phone (312) 664-3575 Fax (312) 664-7008 <http://www.acpe-accredit.org>

**UNIVERSAL ACTIVITY NUMBER (UAN):** 0384-9999-22-519-H07-P  
0384-9999-22-519-H07-T

**Provider Name:** National Pharmacy Technician Association (NPTA)

Cancel

**Cosponsor(s):** 9999 Joint Providership (H)

**Activity Type:** Knowledge

**Activity Title:** Calculations & Certificate of Analysis Application

**Learning Objectives:**  
(Pharmacists)  
At the completion of this activity, the participant will be able to:  
1. Review the purpose of a Certificate of Analysis (C of A)  
2. Describe the different components of a C of A and how to apply the information in sterile compounded formulas.  
3. Explain calculations such as isotonicity, milliequivalents, and osmolarity.  
4. Identify preparations that are appropriate for filter sterilization and the appropriate materials to perform this function.

**Learning Objectives:**  
(Pharmacy Technicians)  
At the completion of this activity, the participant will be able to:  
1. Review the purpose of a Certificate of Analysis (C of A)  
2. Describe the different components of a C of A and how to apply the information in sterile compounded formulas.  
3. Explain calculations such as isotonicity, milliequivalents, and osmolarity.  
4. Identify preparations that are appropriate for filter sterilization and the appropriate materials to perform this function.

**Activity Length:** 5 **Contact Hours Or** 0.5 **CEUs.**

**Target Audience:** Pharmacists  
Pharmacist Technicians

**Home Study Format(s):** Web-based (Url: <http://www.continuingeducation.litmos.com>)

**Keyword(s):** Calculations  
Compounding

**Initial Release Date:** 02/12/2025

**Planned Expiration Date:** 02/12/2028

**Originally Submitted By:** Kelly Simmons

**Submission Date:** 01/20/2022

**Last Modified By:** Ashleigh Smith

**Modification Date:** 02/12/2025