

**CERTIFICATION OF CHIEF FINANCIAL OFFICER  
PURSUANT TO 18 U.S.C. SECTION 1350, AS ADOPTED PURSUANT TO  
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002**

Pursuant to 18 U.S.C. §1350, I, Paul S. Herendeen, Chief Financial Officer, hereby certify that, to the best of my knowledge, the Annual Report on Form 10-K of Zoetis Inc. for the period ended December 31, 2015 (the "Report") (1) fully complies with Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and (2) the information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of Zoetis Inc.

February 24, 2016

By: \_\_\_\_\_ /s/ PAUL S. HERENDEEN  
Paul S. Herendeen  
Chief Financial Officer