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**Limitations Of Current Analytical Reference Methods To Determine
Vitamins In Foods**

Erik J.M. Konings

AOAC International

Abstract

Foods are analyzed for their vitamin content to support the verification of regulatory compliance or to generate food composition data. Many international reference methods for the analysis of vitamins in foods originate from the 1990s. Advances in nutrition science, analytical technology and the continuous evolution of statutory regulations necessitate the need of new or supplementary regulatory standards. A recent review of these developments conclude that most current international reference methods are no longer fit-for-purpose to accurately determine vitamin content in foods and food supplements. This paper will give recommendations to consider new and/or updated reference methods for the analysis of all 13 vitamins and carotenoids.

Keywords: *reference methods, vitamins*