

November 4, 2021 (15:30-16:15, CET)



THE SCIENCE OF WHAT'S POSSIBLE.™

VENDOR WEBINAR:

Waters Presents Our Recent Advances in Food Analysis at RAFA 2021

Enhancing analysis of foods using the ACQUITY™ Premier solution, Vitamin B, Organic Acids and beyond

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Waters recently launched ACQUITY™ Premier LC systems and columns that utilize the novel MaxPeak™ High Performance Surface (HPS) technology, which has been developed to mitigate metal analyte interactions in liquid chromatography. We have evaluated the performance of the ACQUITY™ Premier LC and columns for analysis of multiple B vitamins and organic acids and compared the results with those obtained using the conventional stainless-steel components. We demonstrate significantly improved performance in analyte peak area, limit of quantification, and carry-over using the MaxPeak™ HPS technology in the analysis of not only the phosphorylated B vitamins, but also the non-phosphorylated B vitamins. Significant improvement in peak area was also observed in organic acid analysis. Our results suggest that this novel technology brings a clear advantage over the conventional stainless-steel in the analysis of B vitamins and organic acids. This MaxPeak™ HPS technology has a high potential to improve the LC based analysis for a wide range of compounds in food testing.