Methionine Availability in Plasma of Dairy Cows Supplemented with Methionine Hydroxy Analog Isopropyl Ester. By Graulet et al., page 3640. The methionine bioavailability of the isopropyl ester of the methionine hydroxy analog was estimated to be 48% by a blood test in cows. Moreover, its methionine bioavailability corresponds to 71% that of Smartamine M, a reference product in dairy cow nutrition in the field, indicating good resistance to rumen microorganisms. Considering our results, the isopropyl ester of the methionine hydroxy analog could be an adequate source of methionine for lactating dairy cows that can be integrated to pellets by feed manufacturers.