Suppose that $R$ is an analytically irreducible or excellent local domain with maximal ideal $m_R$. We consider multiplicities and mixed multiplicities of $R$ by filtrations of $m_R$-primary ideals. We show that the theorem of Teissier, Rees and Sharp, and Katz, characterizing equality in the Minkowski inequality for multiplicities of ideals, is true for divisorial filtrations, and for the larger category of bounded filtrations. This theorem is not true for arbitrary filtrations of $m_R$-primary ideals. (Received July 29, 2020)