Unified Khovanov homology combines even and odd Khovanov homology theories into a single algebraic object that carries the structure of a module over the group ring $\mathbb{Z} \mathbb{Z}_2$. In this talk, we prove that the unified homology of homologically thin knots over $\mathbb{Z}_2$ is completely determined by their Jones polynomial and signature. The proof is based on the algorithm for computing the unified homology developed by the authors. (Received September 04, 2018)