Let $R = k[x_1, \ldots, x_n]/(x_1^d + \cdots + x_n^d)$, where $k$ is a field of characteristic $p$, $p$ does not divide $d$, and $n \geq 3$. If $p < d$, then the test ideal for $R$ is contained in $(x_1^d, \ldots, x_n^d)^{p-1}$. If $d = p + 1$, then the test ideal for $R$ is equal to $(x_1^d, \ldots, x_n^d)^{p-1}$.

Key Words: test ideal, tight closure, characteristic $p$