

Abstract**Palladium(0)-dibenzylidene acetone complexes**

Palladium(0)-dibenzylidene acetone complexes $\text{Pd}_x(\text{dba})_y$, with y/x being from 1.5 to 3, are provided according to the invention at a purity of at least 99.5 wt.%. The use of said $\text{Pd}_x(\text{dba})_y$ complexes according to the invention is for determining their stoichiometry by means of elemental analysis. In the method for the production of $\text{Pd}_x(\text{dba})_y$ complexes from a Pd-containing educt and dibenzylidene acetone (dba) in alcohol, according to the invention a solution of the dba in alcohol pre-heated to more than 40°C is provided first and then the Pd-containing educt is added to the pre-heated solution upon which the complexes are precipitated by a base.