# Statement of Supervisor of Dissertation Thesis of Ing. Jiří Váňa

Ing. Jiří Váňa started his doctoral studies in the Institute of Organic Chemistry and Technology, the University of Pardubice in 2008. The study of kinetics and mechanism of transformation reactions of isothiouronium salts dealt with in his dissertation work was a continuation of his former diploma work. In the course of his doctoral studies, Jiří Váňa has matured into a distinct and independent personality. He attended lectures and seminars about Quantum Chemistry given by Assoc. Professor Petr Nachtigall at the Faculty of Natural Sciences, Charles University in Prague, and in cooperation with Assoc. Professor Jana Roithová he acquainted himself with the newly developed methodology of recording reaction intermediates: Ion spectroscopy and the Infrared multiphoton dissociation spectroscopy (IRMPD). He used the new knowledge from both the Quantum Chemistry and the above-mentioned methodology in dealing with his dissertation work. He is a co-author of 2 papers in international impact factor journals (*Journal Heterocyclic Chemistry, Journal of Organic Chemistry*) and other his results are prepared for publishing. Apart from independent scientific work, Jiří Váňa also took part in pedagogical work: laboratory training at B.Sc. and M.Sc. levels. In the work of Jiří Váňa, I appreciate his independence, resourcefulness and ability to absorb new knowledge. In the period of July-September 2011 he worked for one month at the Huddersfield University, U. K., dealing with kinetic studies. For *viva voce* he has submitted the thesis entitled:

"*Mechanisms of ring transformations of isothiouronium salts derived from bromolactones*"

For the above-given reasons, I recommend that this dissertation thesis should be accepted in the *viva voce* as a basis for obtaining the Ph.D. degree.

Pardubice 10. 1. 2012

Professor Ing. Miloš Sedlák, DrSc.

*Supervisor of dissertation work*