

Acknowledgments

The author wishes to express his sincere acknowledgment to Professor Akira SHIMOYAMA, Department of Chemistry, University of Tsukuba for his constant interest and encouragement, and for his valuable advice in this study.

The author wishes to express his sincere gratitude to Emeritus Professor Takuji KAWASHIMA, University of Tsukuba for his continuing guidance, valuable suggestion and encouragement.

The author would like to appreciate to Dr. Shinya NOMOTO and Dr. Hajime MITA, Department of Chemistry, University of Tsukuba for their helpful suggestion and discussion.

The author would like to thank to all members of the Laboratory of Cosmochemistry, University of Tsukuba for their kind assistance during this study.

The author would like to express his heartfelt gratitude to his parents who had given him a chance for further education, and for supporting him in times of need.

January, 2001

Hideyuki KATSUMATA