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APPENDICES

APPENDIX A

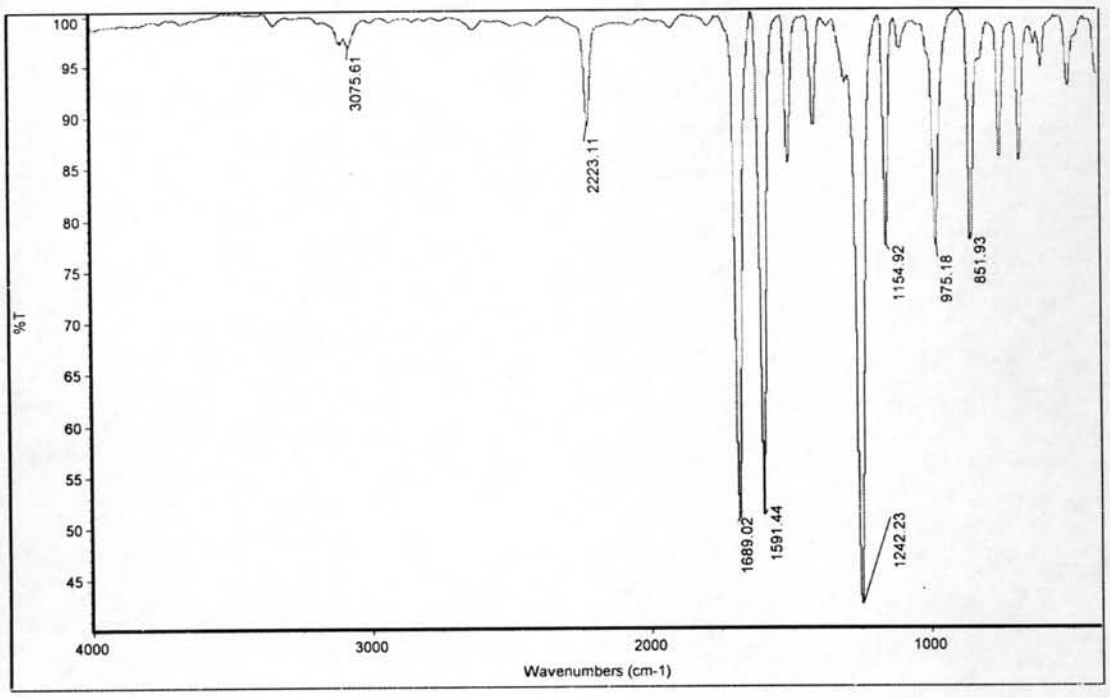

Figure A1: FT-IR spectrum of benzoyl cyanide.

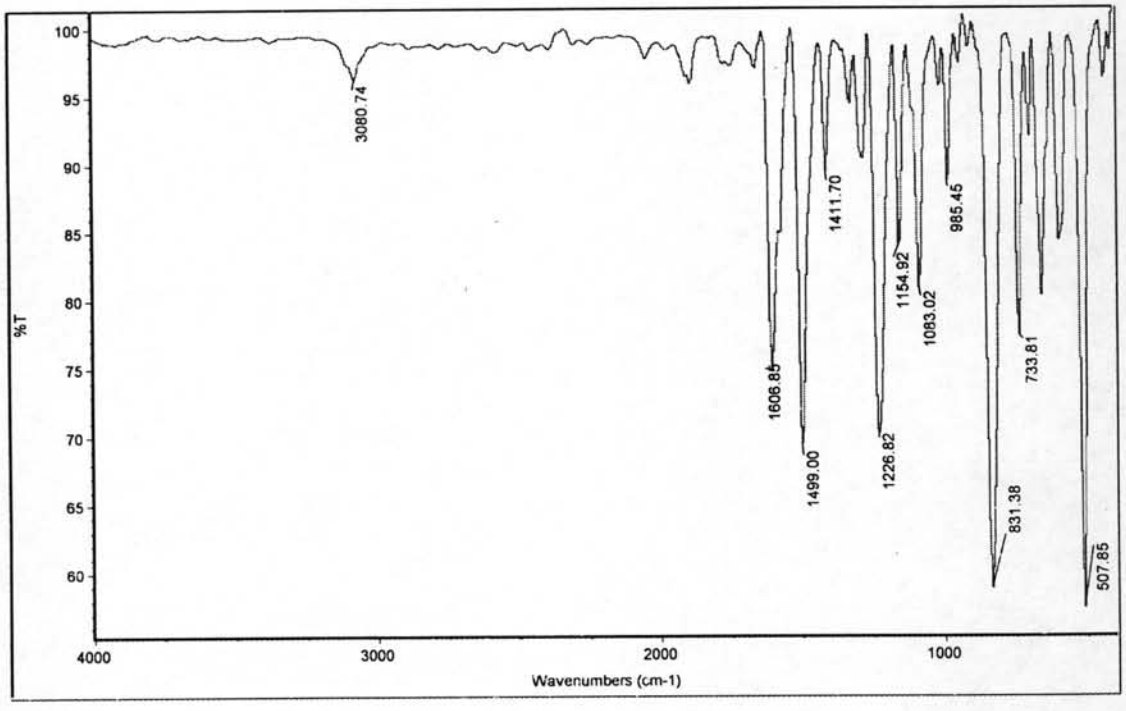

Figure A2: FT-IR spectrum of 4-bromo-2,5-diphenyloxazole.

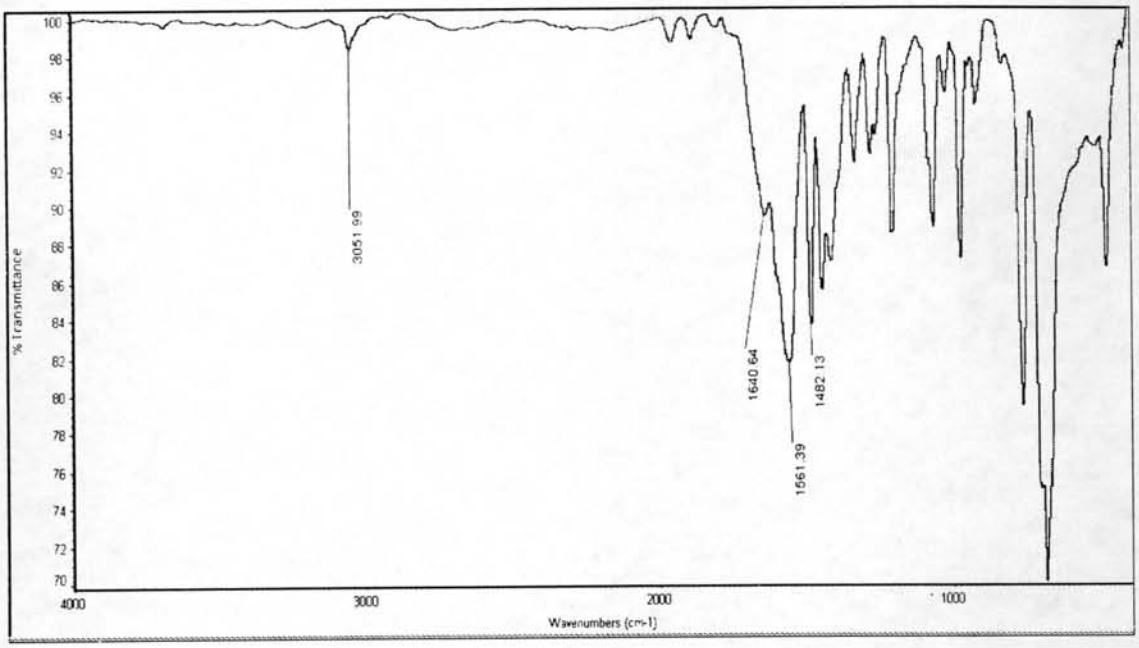

Figure A3: FT-IR spectrum of 2,5-diphenyl-4-vinyloxazole.

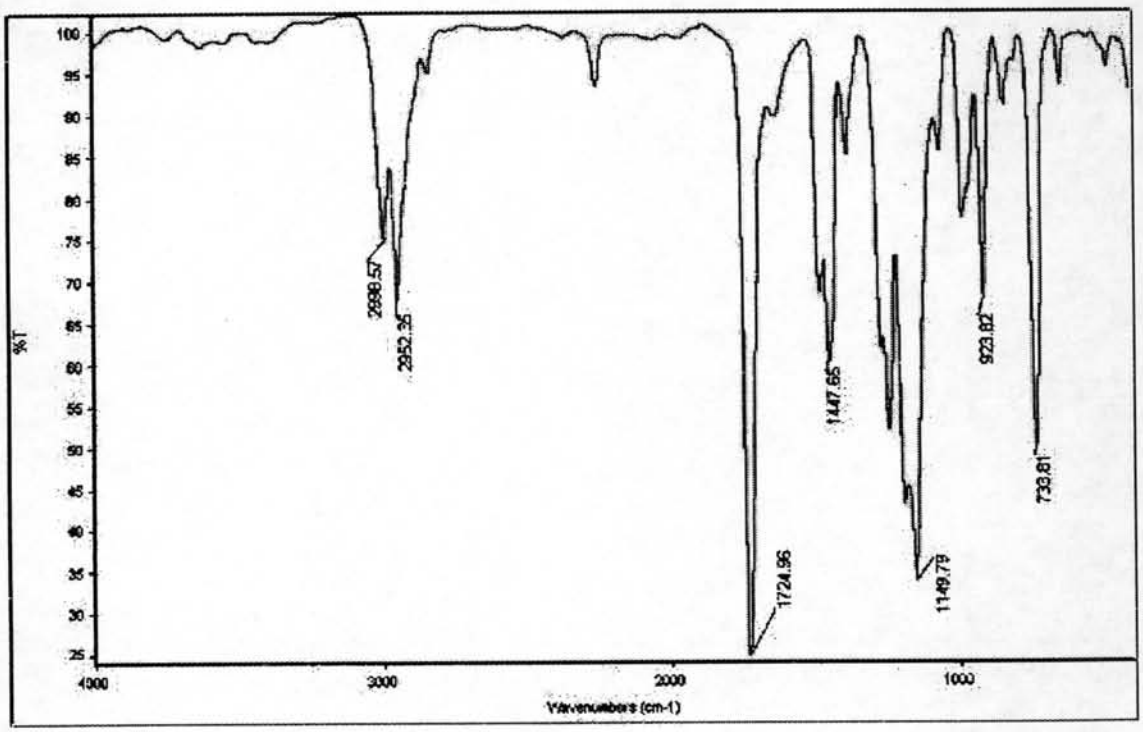

Figure A4: FT-IR spectrum of 2,5-diphenyl-4-vinyloxazole-*co*-methyl methacrylate polymer.

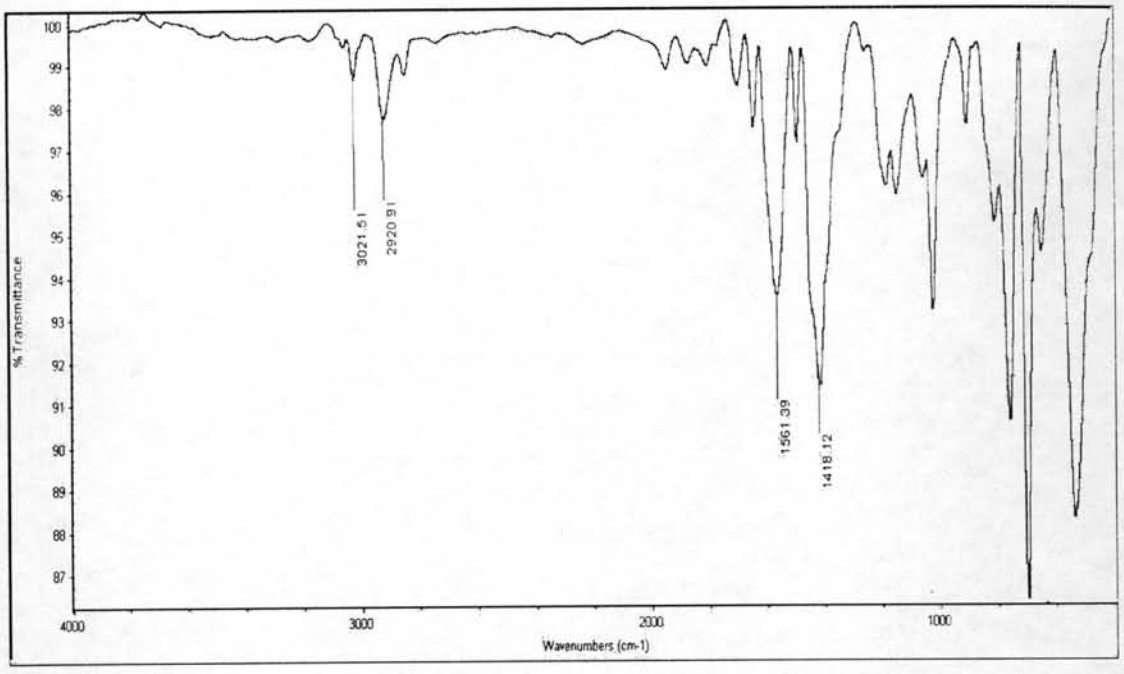

Figure A5: FT-IR spectrum of 2,5-diphenyl-4-vinyloxazole-*co*-styrene polymer.

APPENDIX B

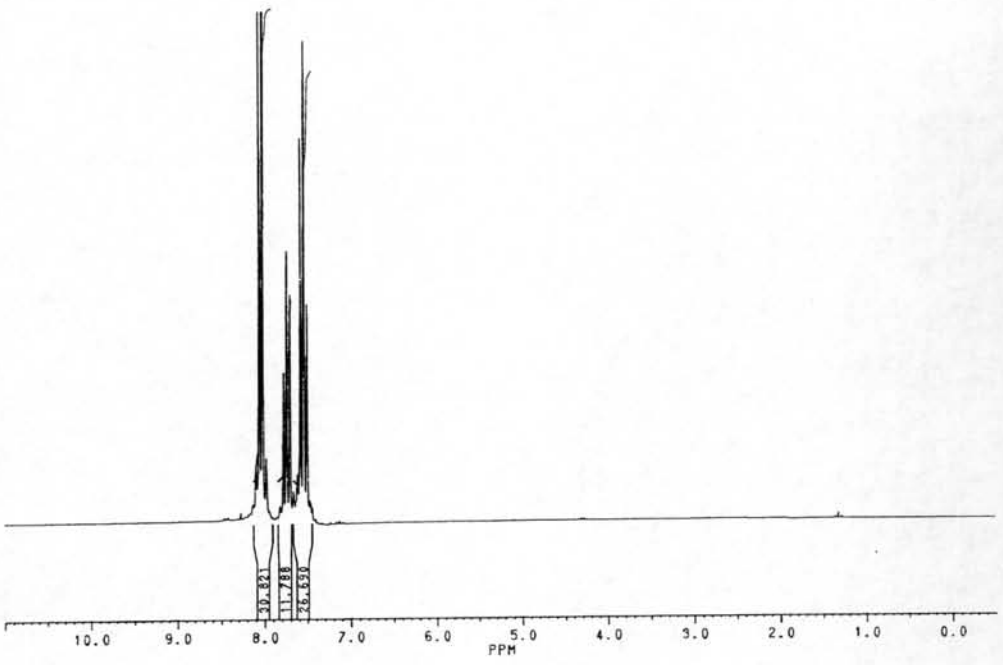

Figure B1: ^{1}H NMR spectrum of benzoyl cyanide

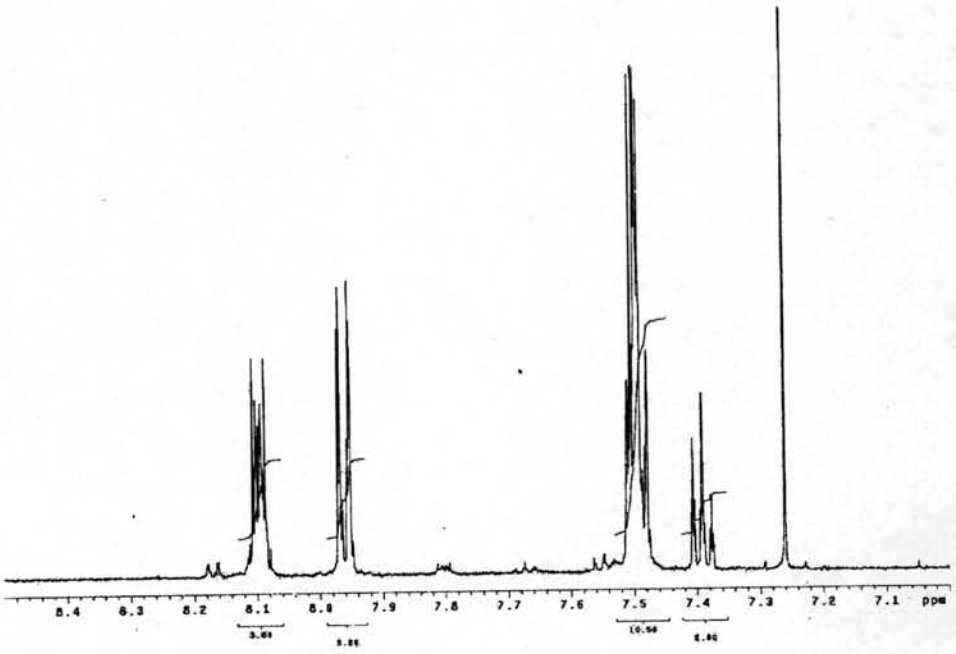

Figure B2: ^{1}H NMR spectrum of 4-bromo-2,5-diphenyloxazole

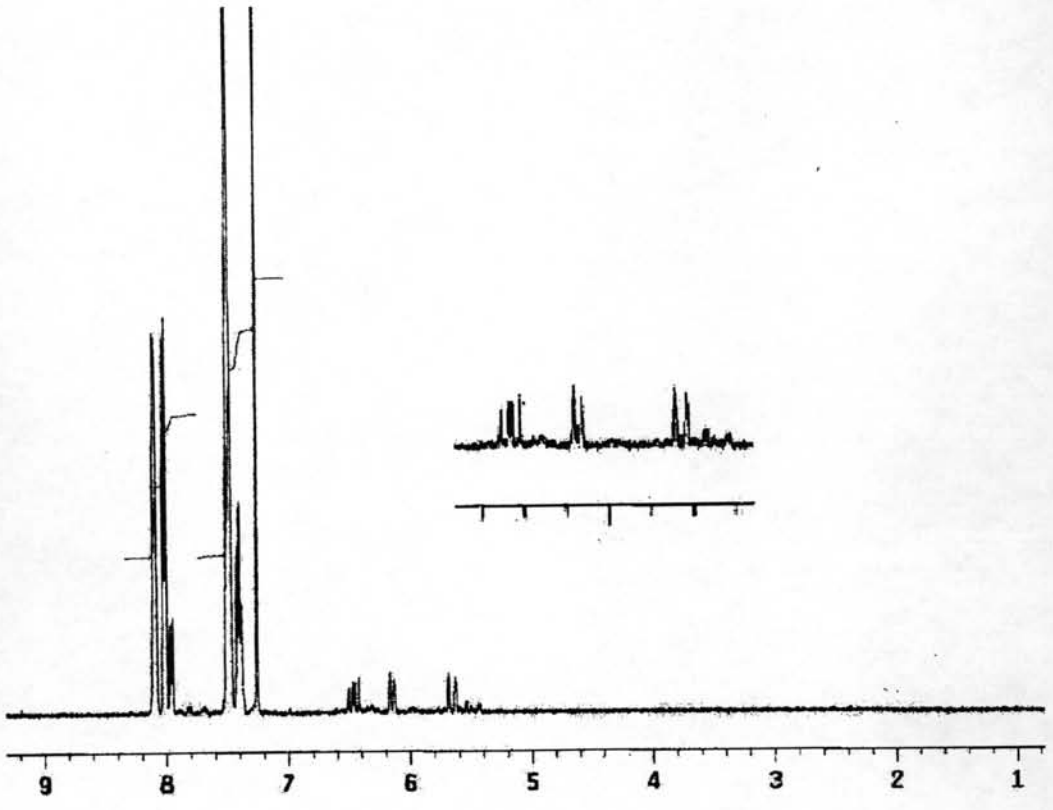

Figure B3: ^{1}H NMR spectrum of 2,5-diphenyl-4-vinyloxazole

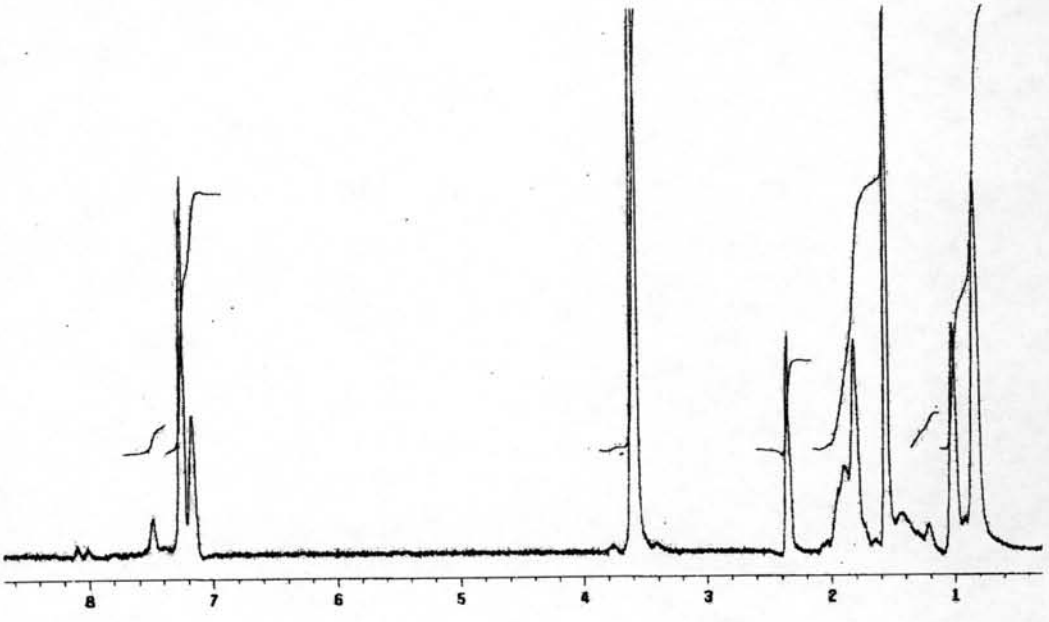

Figure B4: ^{1}H NMR spectrum of 2,5-diphenyl-4-vinyloxazole-*co*-methyl methacrylate polymer

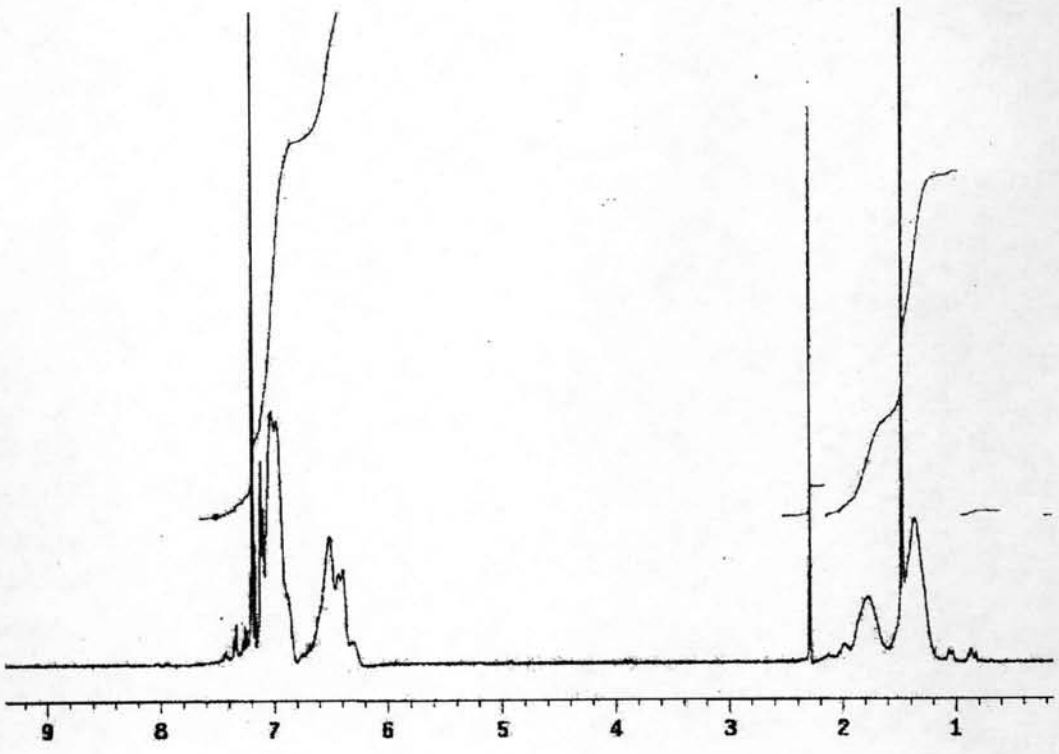

Figure B5: ^{1}H NMR spectrum of 2,5-diphenyl-4-vinyloxazole-*co*- styrene polymer

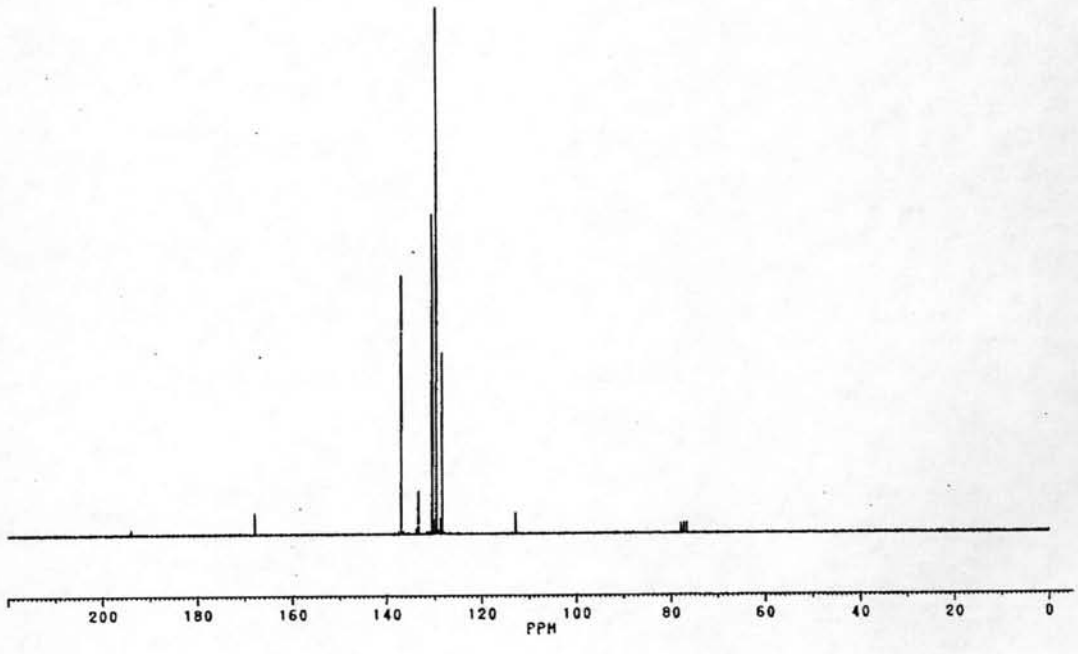

Figure B6: ^{13}C NMR spectrum of benzoyl cyanide

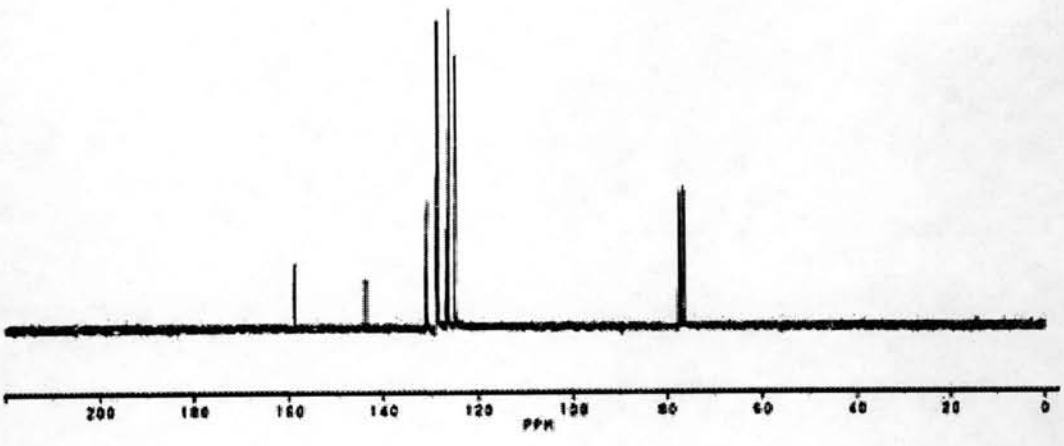

Figure B7: ^{13}C NMR spectrum of 4-bromo-2,5-diphenyloxazole

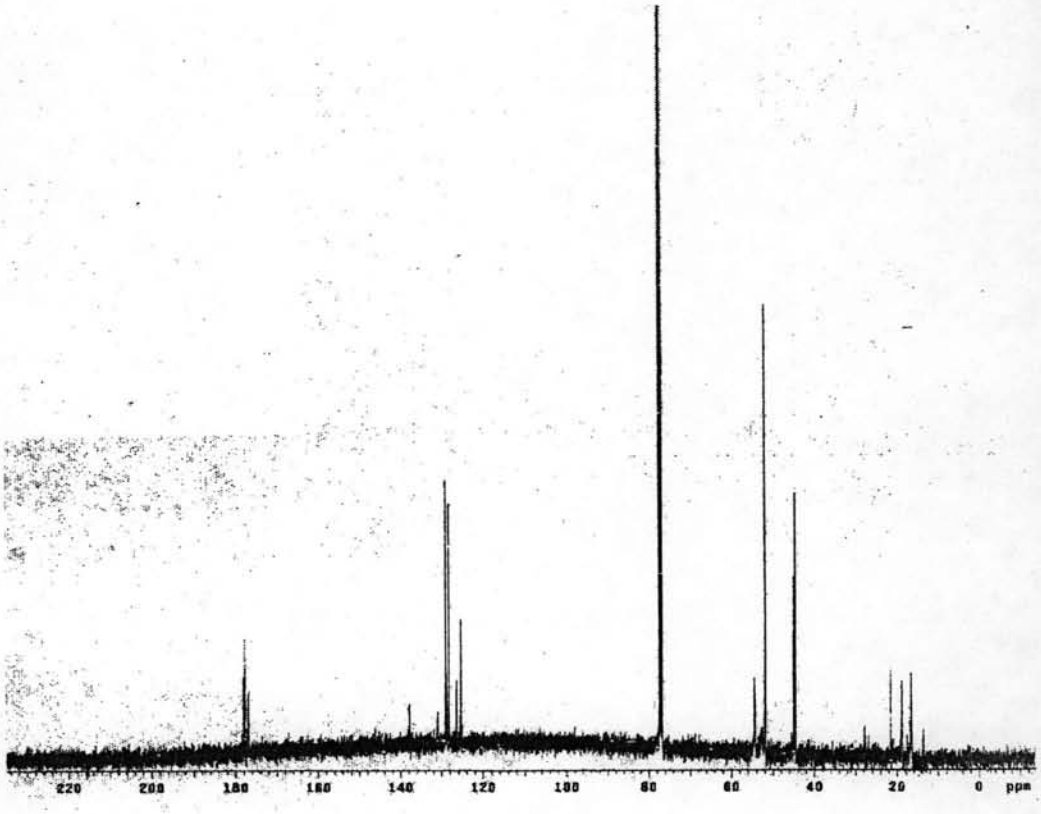

Figure B8: ^{13}C NMR spectrum of 2,5-diphenyl-4-vinyloxazole-*co*-methyl methacrylate polymer

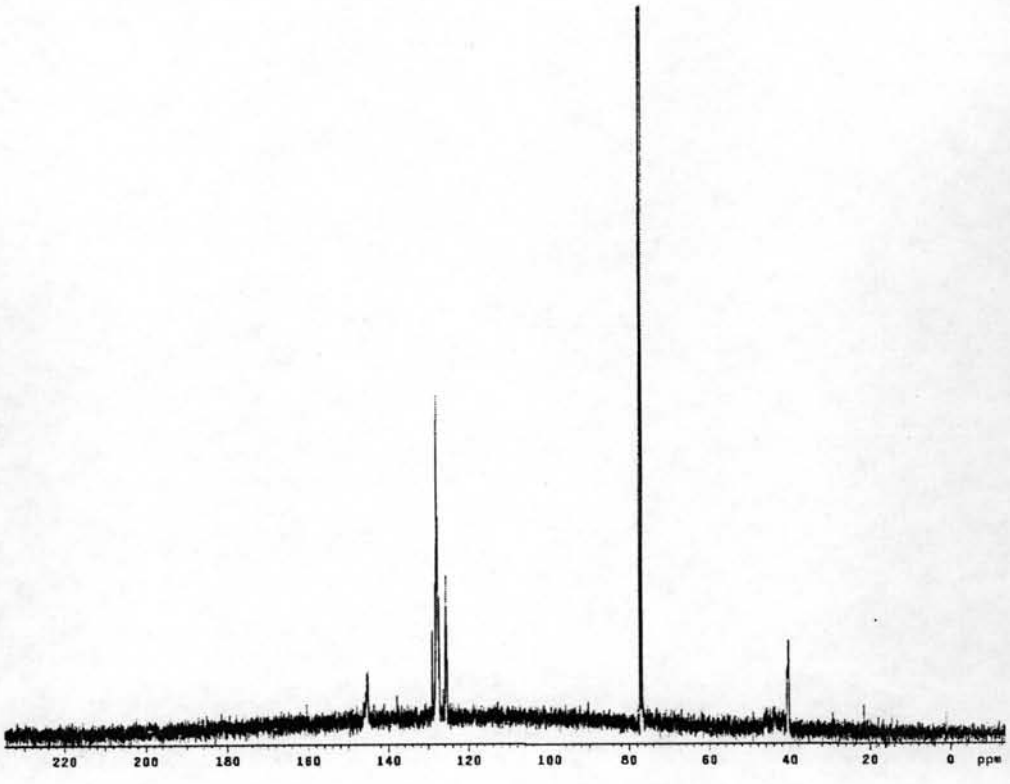

Figure B9: ^{13}C NMR spectrum of 2,5-diphenyl-4-vinyloxazole-*co*- styrene polymer

APPENDIX C

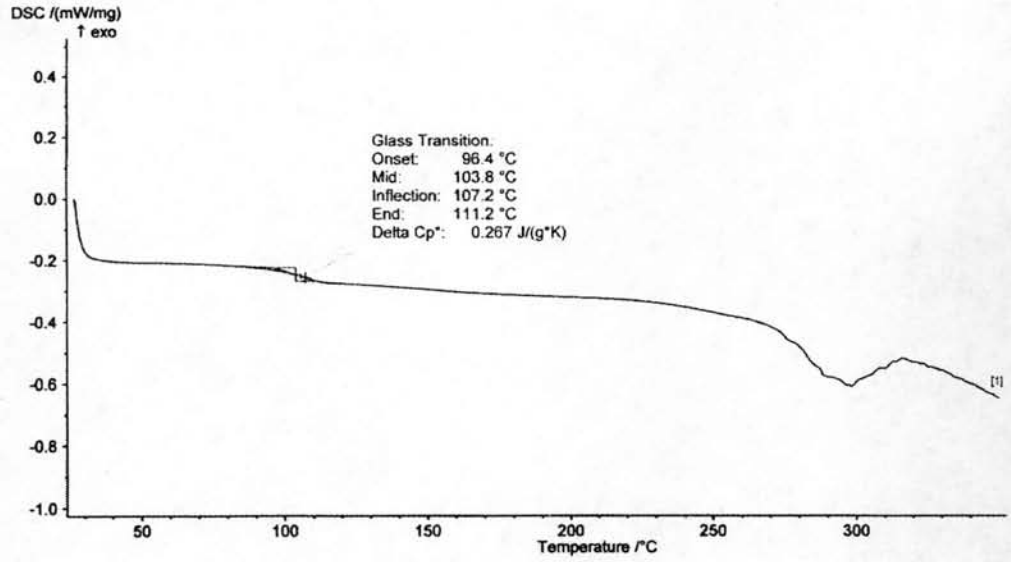

Figure C1: DSC Thermogram of MMA copolymer

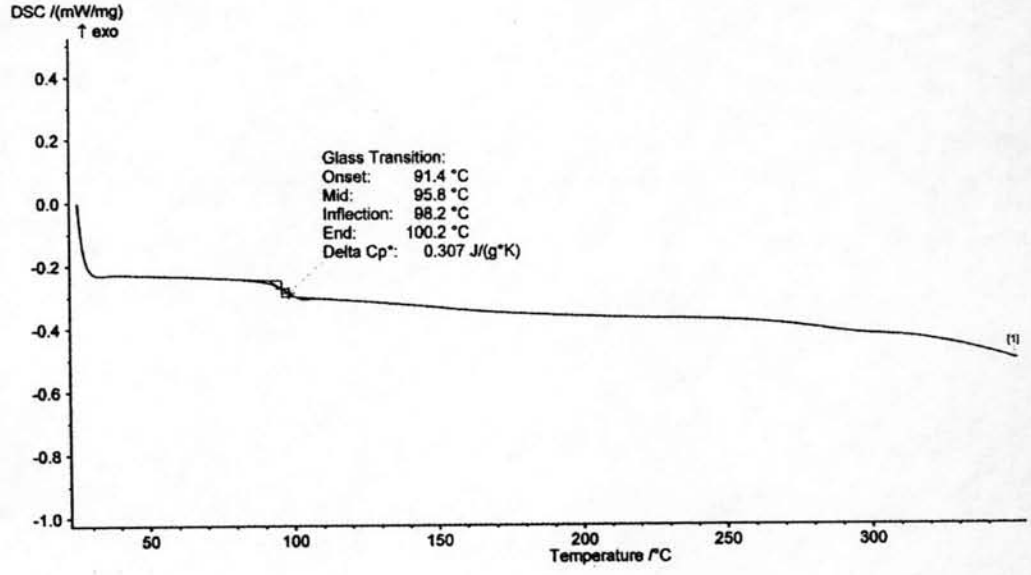

Figure C2: DSC Thermogram of styrene copolymer

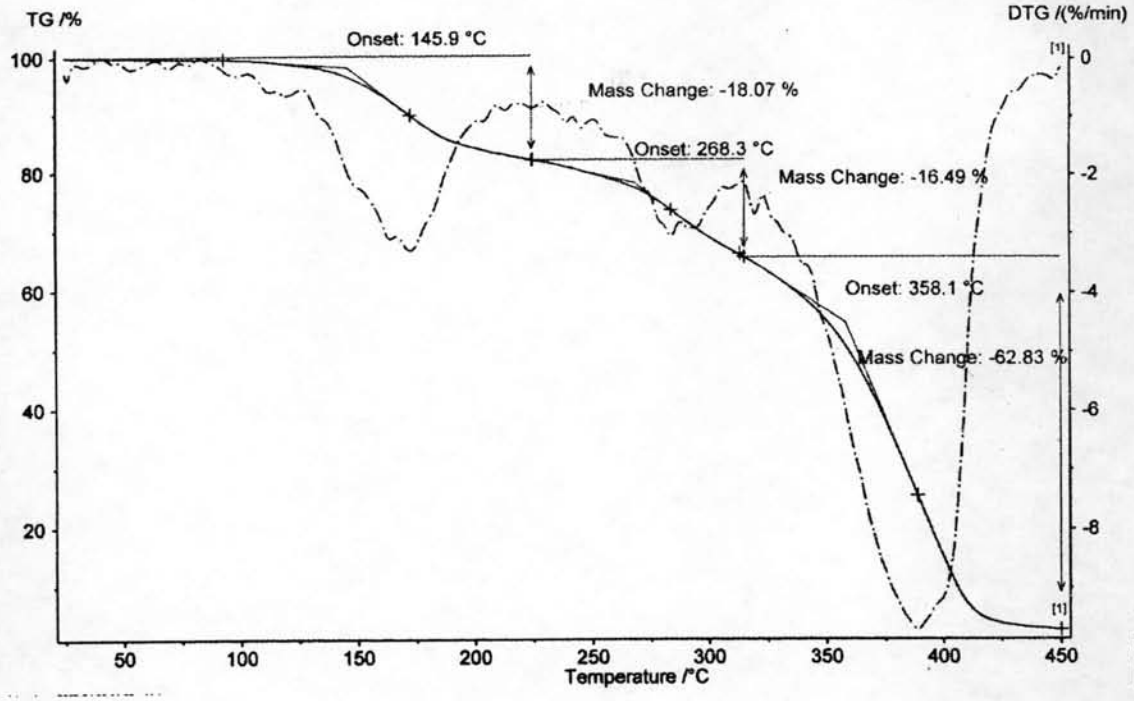

Figure C3: Thermogravimetric curve of MMA copolymer

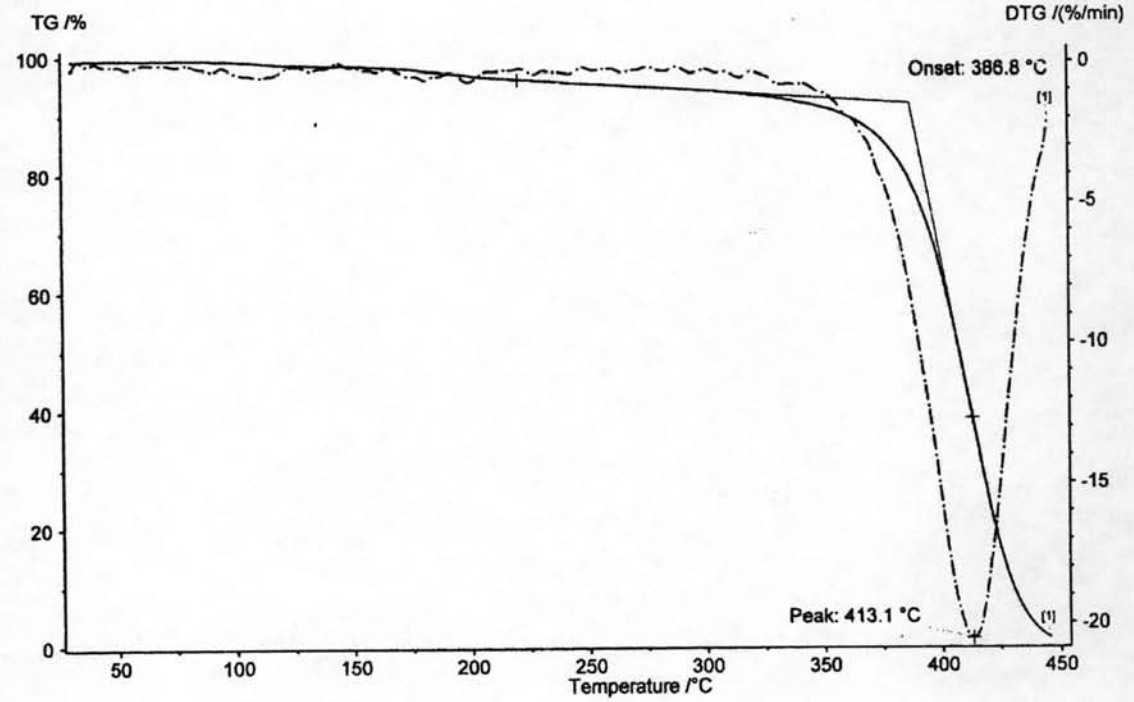

Figure C4: Thermogravimetric curve of styrene copolymer

APPENDIX D

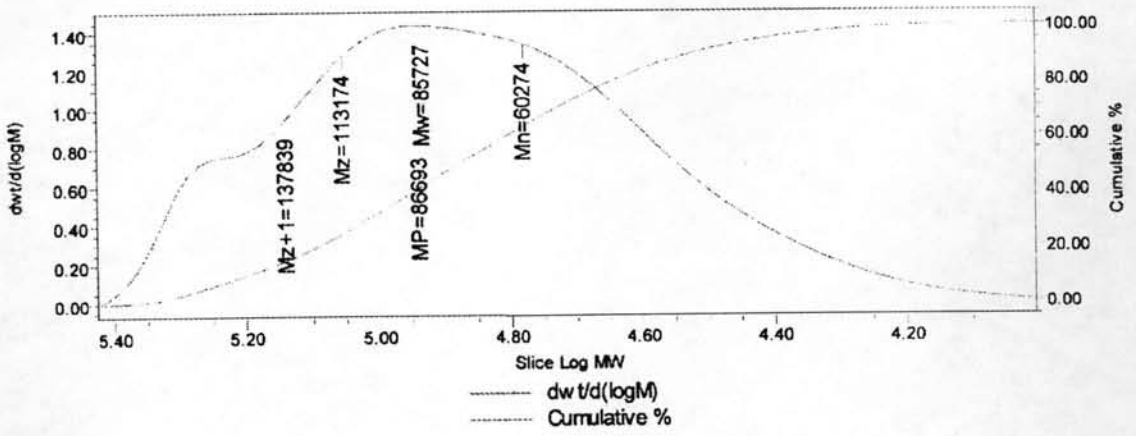

Figure D1: GPC curve of MMA copolymer

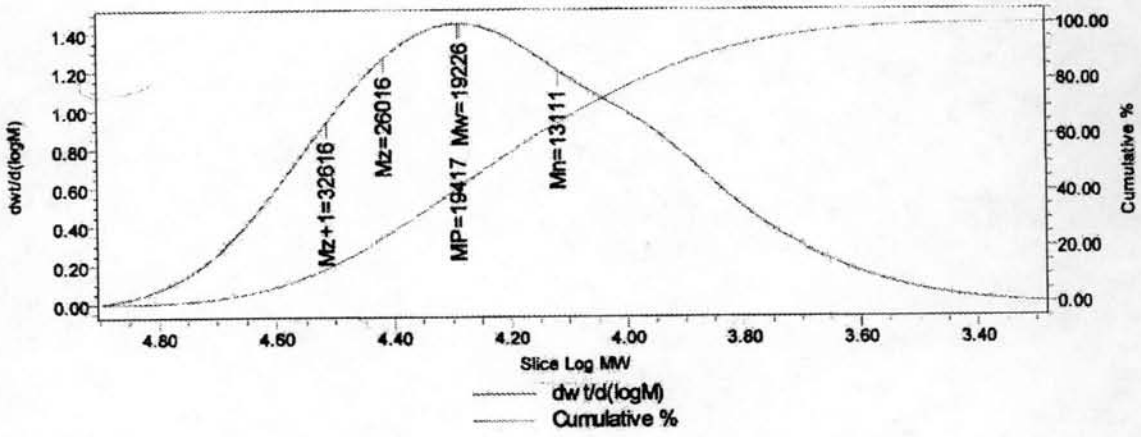

Figure D2: GPC curve of styrene copolymer

VITAE

Mr. Surath Suk-khao was born on April 29, 1980 in Bangkok, Thailand. He finished high school at Patumkongka School, Bangkok in 1998. In 2003, he received a Bachelor's Degree of Science in Chemistry at Srinakharinwirot University. After graduated with the B.Sc. degree in 2003, he was accepted as a graduate student in Program of Petrochemistry and Polymer Science, Faculty of Science, Chulalongkorn University. She received a Master's Degree program of Science in Polymer Science, in 2007.