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APPENDIX

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## APPENDIX

Determination of zeta-potential of the  $\text{TiO}_2$  powderMethodology

Zeta-potential of the  $\text{TiO}_2$  powders as well as commercial P25 were determined by using a Zetasizer 4 (Malvern). The results are shown in the next page.



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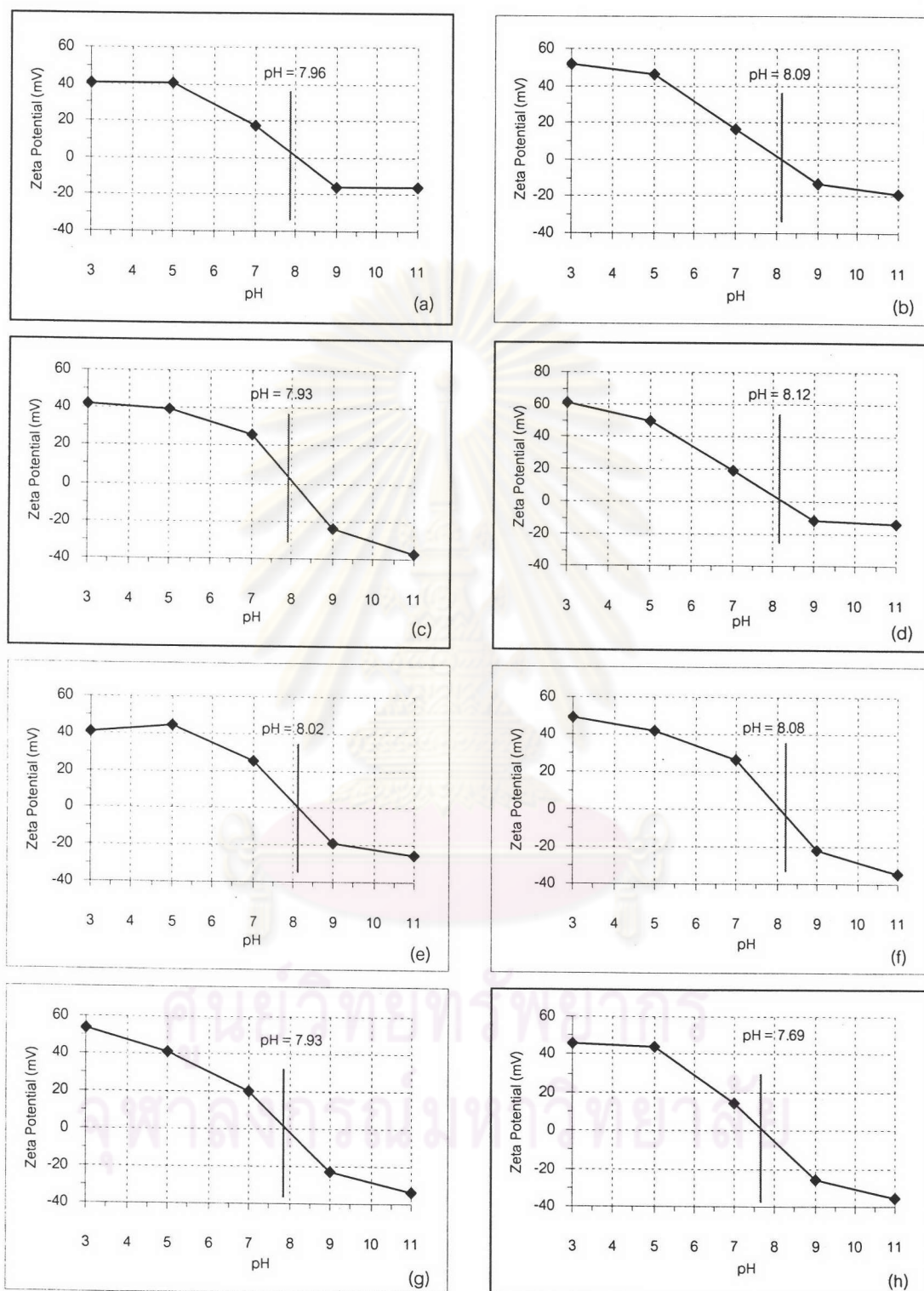


Figure B-1 Zeta potential of  $\text{TiO}_2$  powders obtained from; (a) Sol\_2C\_300\_4h, (b) Sol\_2C\_500\_4h, (c) Sol\_2C\_600\_4h, (d) Sol\_2C\_700\_4h, (e) Sol\_2D\_300\_4h, (f) Sol\_2D\_500\_4h, (g) Sol\_2D\_600\_4h, (h) P-25



## BIOGRAPHY

Miss Kannikar Juengsuwattananon was born in Ubonratchathani on 26<sup>th</sup> November 1979. In 2003, after she had finished her Bachelor's Degree from Department of Industrial Chemistry, Silicate Technology, Faculty of Science, Chiang Mai University, she decided to continue her study in Master's Degree in the field of Ceramic Technology at Chulalongkorn University and graduated in May 2006.



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