

**DEVELOPMENT OF ON-LINE ANALYSIS OF SOME HEAVY METALS
INVOLVING SPECIATION**

SIRIPAT SUTEERAPATARANON

**A THESIS SUBMITTED TO THE GRADUATE SCHOOL IN
PARTIAL FULFILLMENT OF THE REQUIREMENTS
FOR THE DEGREE OF**

**DOCTOR OF PHILOSOPHY
IN CHEMISTRY**

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**GRADUATE SCHOOL
CHIANG MAI UNIVERSITY
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THIS THESIS HAS BEEN APPROVED
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5 February 2004

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