“Evaluation and characterization of anticorrosive behavior of some new eco-friendly pigment alternatives in surface coatings”

A Thesis submitted for the degree of Master of Science as a partial fulfillment for requirements of The Master of Science

Inorganic Chemistry

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List of Abbreviations

Component	Symbol
$ZnFe_2O_4$	**ZnFe**
$CaFe_2O_4$	**CaFe**
$SrFe_2O_4$	**SrFe**
Kaolin	**K**
Ferrites/Kaolin	**Fe/K**
$ZnFe_2O_4$/Kaolin	**ZnFe/K**
$CaFe_2O_4$/Kaolin	**CaFe/K**
$SrFe_2O_4$/Kaolin	**SrFe/K**
Silica	**Si**
Ferrites/Silica	**Fe/Si**
$ZnFe_2O_4$/Silica	**ZnFe/Si**
$CaFe_2O_4$/Silica	**CaFe/Si**
$SrFe_2O_4$/Silica	**SrFe/Si**
Micron	**μ**
Weight loss	**Wt. loss**
X-ray diffraction	**XRD**
Transmission Electron Microscopy	**TEM**
Scanning Electron Microscopy	**SEM**
Energy Dispersive X-ray analysis	**EDAX**
X-ray Fluorescence Analysis	**XRF**

Thermal Gravimetric Analysis	**TGA**
Electrochemical Impedance Spectroscopy	**EIS**
Pigment/binder ratio	**P/B**
Specific gravity	**Sp.Gr.**
Bulking volume	**BV**
Methyl ethyl ketone	**MEK**

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