



“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 ₂ O ₄	ZnFe
CaFe ₂ O ₄	CaFe
SrFe ₂ O ₄	SrFe
Kaolin	K
Ferrites/Kaolin	Fe/K
ZnFe ₂ O ₄ /Kaolin	ZnFe/K
CaFe ₂ O ₄ /Kaolin	CaFe/K
SrFe ₂ O ₄ /Kaolin	SrFe/K
Silica	Si
Ferrites/Silica	Fe/Si
ZnFe ₂ O ₄ /Silica	ZnFe/Si
CaFe ₂ O ₄ /Silica	CaFe/Si
SrFe ₂ O 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

List of Abbreviations

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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