











XRD data d,e,f in presence of inhibitor (Thiourea)  
Figure 7

#### 4. Conclusion

Cobalt content in deposits increases with increasing the cobalt concentration in electroplating solution. The presence of Zn-Co and percentage of Zn-Co confirm the by XRD, EDAX analysis method respectively. Morphological studies of Zn-Co have been study by SEM. The presence of boric acid gives growth, perfect size of crystal and uniform arrangement of Zn-Co crystal. Corrosion rate decreases with decreasing concentration of Cobalt in bath solution. Addition of inhibitor gives better results than Zn-Co alloys absence of inhibitor

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