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Date 30/7/98

## CERTIFICATE

This is to certify that the thesis entitled "Solution Properties of Ionic and Nonionic Surfactant Mixtures" submitted for Ph.D. degree by Ms.Shireen B Sulthana incorporates the original research work carried out by her under our guidance and supervision.

**Dr.S.G.T.Bhat** Co-Guide Research & Development Centre Indian Petrochemicals Corporation Ltd. Vadodara

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