

## CERTIFICATE



This is to certify that the thesis entitled “**Studies in Cotton, Polyester and P/C blended fabric for providing protection against Ultraviolet Radiation and Soiling**” being submitted in the partial fulfillment of the requirement for the degree of **Doctor of Philosophy in Clothing and Textiles, Faculty of Family and Community Sciences**, to the Maharaja Sayajirao University of Baroda, Vadodara, embodies the results of bonafide research work conducted by **Ms. Rajni Yadav** under our guidance. The contents presented herein have not been submitted for the award of any other degree or diploma. The thesis is fit for submission and evaluation.

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### Endorsement from the Supervisor:

Ms. Rajni Yadav, has researched extensively on the topic “**Studies in Cotton, Polyester and P/C blended fabric for providing protection against ultraviolet radiation and soiling**” vide Registration No.1133, (Dated: August 12<sup>th</sup>, 2004). She has presented her progress of work in seminars well attended by teachers and students of the department. She has completed her course work and successfully cleared her Comprehensive Examination.

She has personally presented two papers at National level, one on “*Development of Functional clothing for the Traffic Police-a Survey*”, at the National Textile Seminar-2006, *Industry-Institutes Interface: Technology Development* organized by The Textile Association (India)-Delhi, sponsored by HRD Govt. of India, on 17<sup>th</sup> - 18<sup>th</sup> Feb. 2006 and second on “*Ultraviolet Radiation Protective Clothing for Outdoor workers*” during a National level technical paper presentation competition “TexQuest 2008” organized by the Dept. of Fibres and Textile Processing Technology, Institute of Chemical Technology (Autonomous) Matunga, Mumbai on 15<sup>th</sup> March 2008. Also one paper at an International Textiles Conference and Exhibition 2009” on *Protective clothing for agriculture* at “Textiles and Apparel Industry- Global Challenges and Opportunities 2009 and beyond” organized by the Team tech Textiles, Bangalore on 17-18 April 2009.

She has also published three papers entitled “Soiling and soil release behaviour of chitosan treated cotton, polyester P/C blend fabrics”, *Asian Dyer*, June 2009. “Soil release properties of finished cotton, polyester P/C blended fabrics”, *Man made textiles in India*, April 2009 and “Ultraviolet Radiation Protective Clothing for Outdoor workers”, *Journal of Textile Association*, Jan-Feb 2009

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