SMA RIZVI TEXTILE INSTITUTE

A Joint Project of Ministry of Textile Industry Government of Pakistan & Towel Manufacturers' Association of Pakistan (TMA)

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MICRO FIBER (MELAMINE)

New legislation is going to passed in WTO TBT Committee which may effect all exporters to European Union. It is therefore suggested that all manufacturers and exporters of towels and allied products being manufactured using microfiber (melamine) should test the presence of total melamine i.e on a homogeneous mixture of textile material, the confidence limits of results obtained by the method are not greater that plus minus 2 for a confidence level of 95%. Test method is illustrated herewith for our members.

To the specimen contained in the glass-stoppered conical flask of at least 200 ml capacity, add 100 ml of formic acid per gram of specimen. Insert the stopper and shake the flask to wet out the specimen. Maintain the flask in a shaking water bath at 90 plus minus 2 degree C for one hour. Shaking it vigorously. Cool the flask to room temperature. Decant the liquid through the weighed filter crucible. Add 50 ml of formic acid to the flask containing the residue, shake manually and filter the contents of the flask through the filter crucible. Transfer any residual fibres to the crucible by washing out the flask with a little more formic acid reagent, hot water, dilute ammonia solution, and finally cold water, draining the crucible with suction after each addition. Do not apply suction until each washing liquor has drained under gravity. Finally, drain the crucible with suction, dry the crucible and residue, and cool and weigh them.

CALCULATION AND EXPRESSION OF RESULTS

Calculate the results as described in the general instructions. The value of 'd' for cotton and aramid is 1,02.

PRECISION

On a homogeneous mixture of textile materials, the confidence limits of results obtained by this method are not greater than plus minus 2 for a confidence level of 95%.

However, if a member company feels any problem may contact SMA RIZVI TEXTILE INSTITUTE for test performance.

M.MUZZAMMIL HUSAIN
Senior Director
SMA RIZVI TEXTILE INSTITUTE

Plot No. 231 Sector 23, Road 10,000, Korangi Industrial Area, Karachi. Pakistan
Phone: 5053277-5076897 Fax: 5066427 Cell # 0300-2693815
www.smarti.edu.pk Email: query@smarti.edu.pk