

SPECIALITY FIBRE ANALYSIS AND IDENTIFICATION

Speciality fibre identification techniques are of benefit in a number of situations where definitive qualitative analysis of a textile is required, such as fraudulent claims investigations and other similar scenarios requiring proof of product content. Whether you are a manufacturer, supplier, retailer, solicitor or enforcement agency, this type of analysis could provide the definitive evidence you require in such a situation.

Comprehensive Fibre analysis including animal fibres

As well as being able to identify all commonly recognised man-made, synthetic and natural fibres used in textiles, Shirley Technologies is also able to identify and quantify the presence of a wide number of animal fibres including luxury fibres such as mohair and cashmere. Our expertise is such that we have been called upon to provide fibre analysis within police forensic investigations.

Expertise and Reference Data

Utilising a range of specialist techniques and our extensive reference library of over 500 animal hair samples and over 5000 detailed fibre photographs, we can confidently identify what's in your products.

Examples of Product Analysis

Wool content of garments and household products such as carpets

Mohair Type : Are your Mohair products produced from Angora goat or the cheaper alternative, Angora rabbit ?

Purity of cashmere product

Percentage composition of fibres and finished articles



Cashmere Goat



Angora Rabbit

Specialist Fibre Identification Techniques

The Importance of Light Microscopy

Light microscopy is the only reliable way to provide quantitative information as to the percentage of speciality animal fibres in blends. Our staff are highly trained and experienced in this field and will provide you with indisputable evidence of the composition of your provided samples.

Shirley Technologies can also provide an Independent Expert service incorporating our findings if this is necessary.

DNA Analysis

Over the past decade, we have developed a DNA profiling method for the analysis of speciality fibre blends. Although not a quantitative procedure, it is a simple and rapid test for providing objective criteria for the confirmation of fraudulent substitution.

DNA analysis can be used to confirm the presence or absence of :

Goat DNA - cashmere, cashgora, mohair fibres

Sheep DNA - wool

Yak DNA - yak hair

Our laboratories are one of only 12 recommended by the CCMI - Cashmere and Camel Hair Manufacturers Institute, as having the specialised knowledge to provide definitive blend analysis.



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