

Guide to Identifying Microfibres: Some FTIR Identifications



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Plastic – Synthetic, Organic Polymers

Polyester

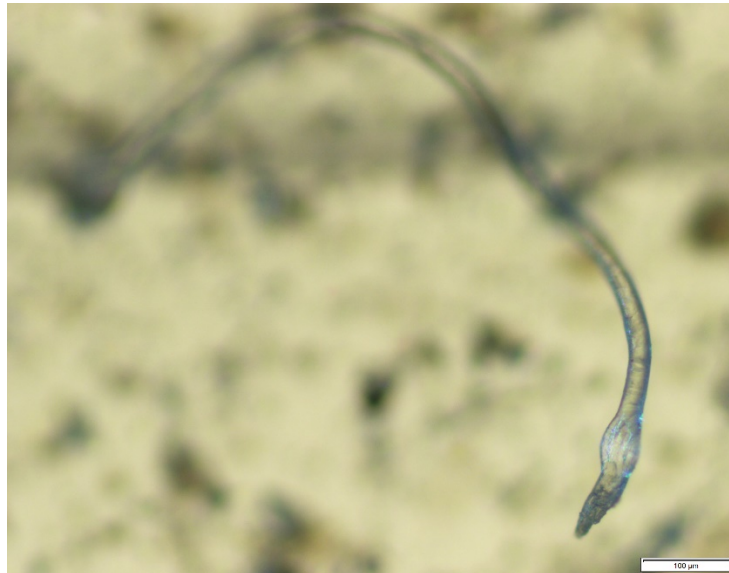
Blue fibre from oyster, polyester:



Blue fibre from water sample, polyester:



Clear fibre from clam, polyester:



Aliphatic or semi-aromatic polyamides

Clear fibre from oyster, nylon:



Blue fibre from water sample, nylon-rayon blend

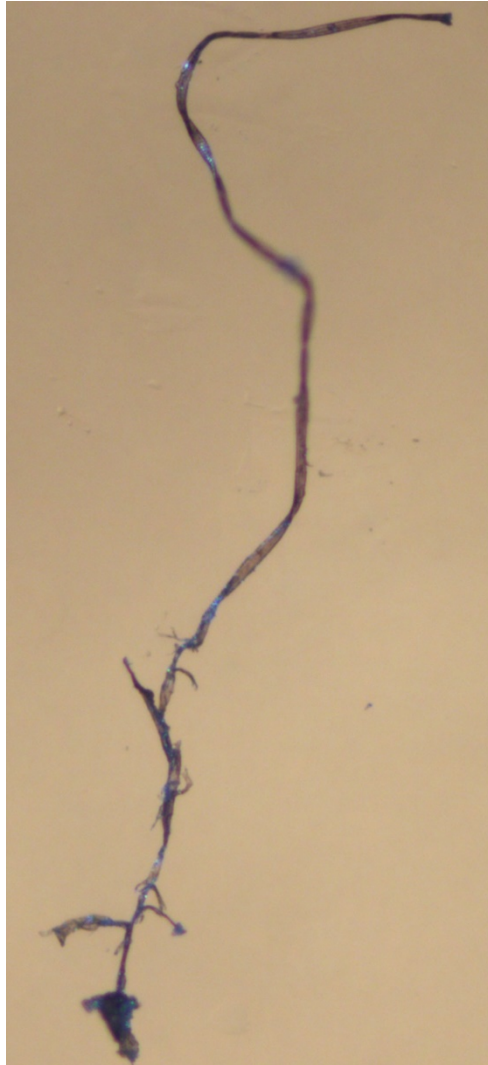


Semi-synthetics (but these are not for sure, FTIR isn't perfect for these)

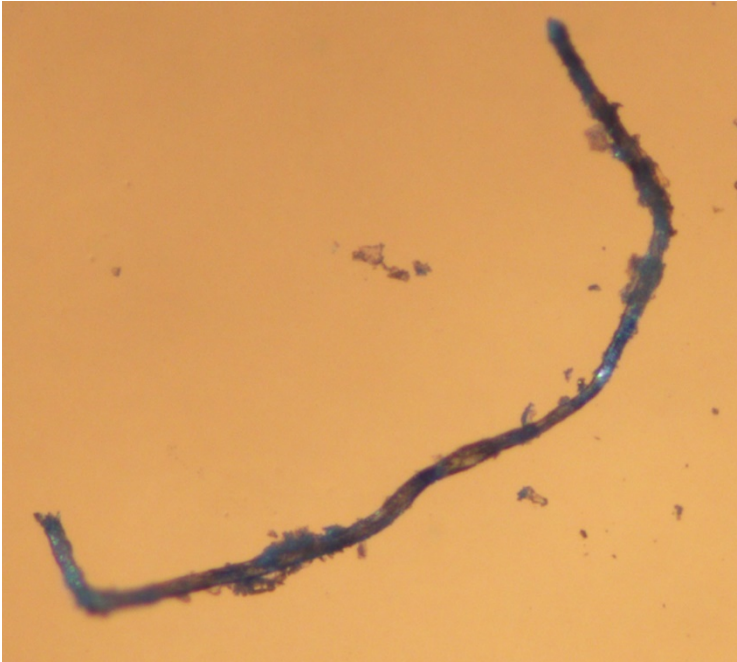
Blue fibre from water sample, rayon or viscose:



Clear fibre from water sample, rayon or viscose:



Clear fibre from water sample, unknown family of regenerated or modified cellulose:



Cotton

Plant-based

Black fibre from water sample, cotton:



Blue fibre from water sample, cotton:

