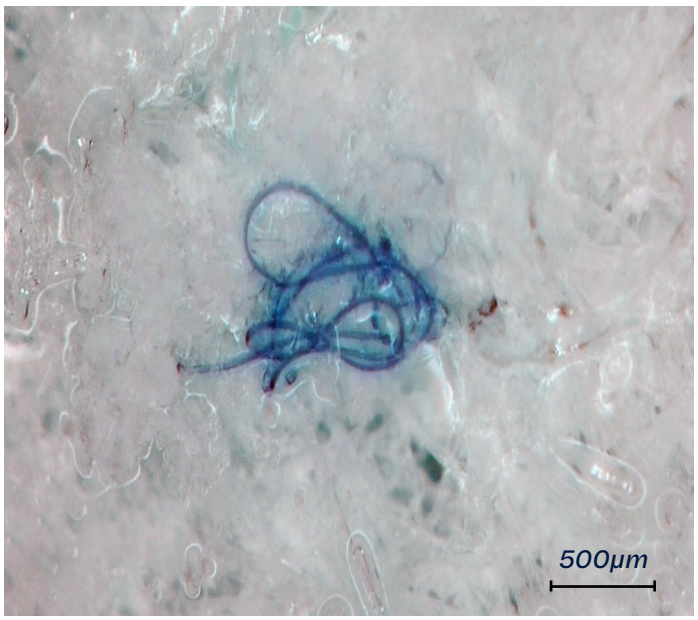
ATTAR

FOREIGN MATERIAL IDENTIFICATION

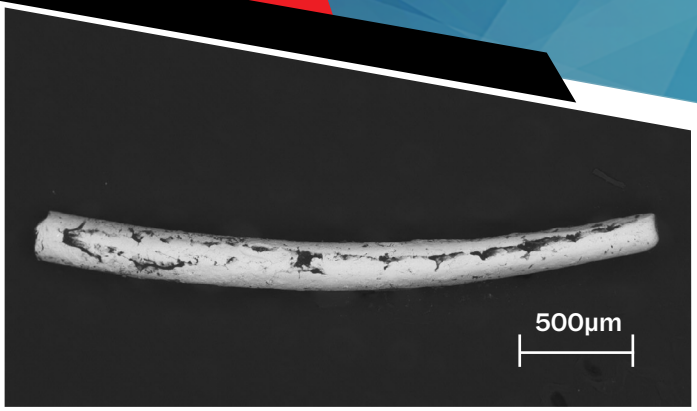
ATTAR specialises in the identification of foreign materials ranging from particles, fibres, fragments, deposits, debris or discolouration found on or within a product. If a product contamination issue arises for your company, ATTAR can respond promptly to test and identify the contaminate, to determine where it has most likely originated from, whether it be during manufacture, transportation or in-service.

ATTAR currently works with companies in the food and beverage, flooring, industrial and retail industries to solve contamination complaints, so critical decisions can be made including:

- Reassure the customer
- Initiate a product recall
- Investigate maintenance and cleaning procedures
- Fix a manufacturing, product transportation or packaging issue



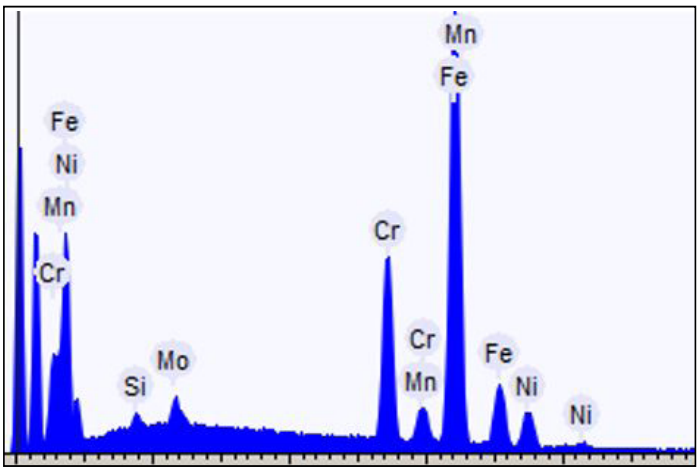
Stereo Microscope Image Polyester fibre



Scanning Electron Microscope (SEM) Image AISI 316 grade stainless steel wire

OUR SERVICE TO YOU

- Result within 24 hr
- Report within 3 days
- Identify material
- Identify likely origin
- Signed off by Materials Engineer



Energy-dispersive X-ray spectroscopy (EDS) of AISI 316 grade stainless steel

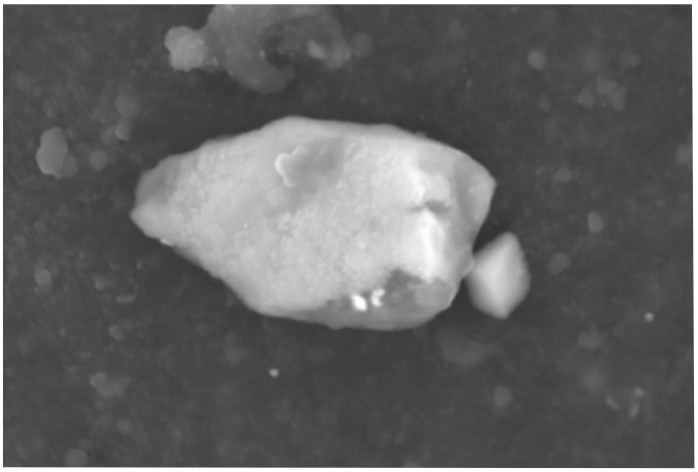
INVESTIGATION

Identification of foreign contamination not only involves any of the following chemical analysis techniques (EDS, FTIR or DSC), but also high magnification imaging to characterise particle surface texture using a scanning electron microscope (SEM).

Contaminates for identification include:

Ceramics	Glass
Fibres	Rubber
Composites	Coatings
Metals	Plastics
Trace particulates	

CLICK HERE TO READ ABOUT THE SERVICE.



SEM of a salt crystal on a polymer. EDS can determine the composition of particles as small as 0.01 mm

OTHER CONSULTING SERVICES

- Failure Analysis
- Expert Witness Services
- Analysis & Testing

CONTACT US

Contact ATTAR today to speak to one of our material engineers.

Send an email to info@attar.com.au or call 1300 139 155.