



# Reflectance FT-IR spectroscopy as a viable option for textile fiber identification



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## FTIR <paper review>

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The r-FTIR vs. ATR-FTIR spectrum comparison revealed **general similarity** with small variations.

In general, the absorbance bands in r-FTIR are **wider**, with wave numbers shifted to **higher values** from the ATR-FTIR equivalents.



r-FTIR works better than ATR-FTIR in the identification of polyamide-based fibers, but it's less successful in differentiating cellulose-based fibers.

