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Plastics Identification Using ATR-FTIR Spectroscopy

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### Results and Discussion

# Plastics Identification Using ATR-FTIR Spectroscopy

The massive production of plastics has led to a throw-away culture rendering plastic pollution one of the biggest environmental issues. One solution to prevent plastic pollution is improving waste management systems and recycling. To facilitate plastics separation, the Plastics Identification Code (PIC) was introduced. When a PIC identifier is absent, spectroscopic techniques, such as Fourier Transform Infrared Spectroscopy (FTIR), can quickly identify and sort plastics for recycling.

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