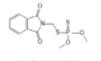


WHITE PAPERS & APPLICATION NOTES

Monitoring Pesticides on Apple Skin Using SERS





Pesticide Detection on Apple Skin Using SERS

Protecting food crops is vital to the world's food chain, and pesticides are a critical tool to kill, repel, and control pests. One method to reduce the dangers of pesticides is limiting the allowed concentration used on crops. This is controlled by analyzing the crop and determining the level of pesticide present. Apples are one of the most pesticide-treated fruits and as such producers have a list of regulations they must abide by for sale to the public. In this application note, find out how residual phosmet insecticide on apple skin is detected using Surface Enhanced Raman Scattering (SERS).

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