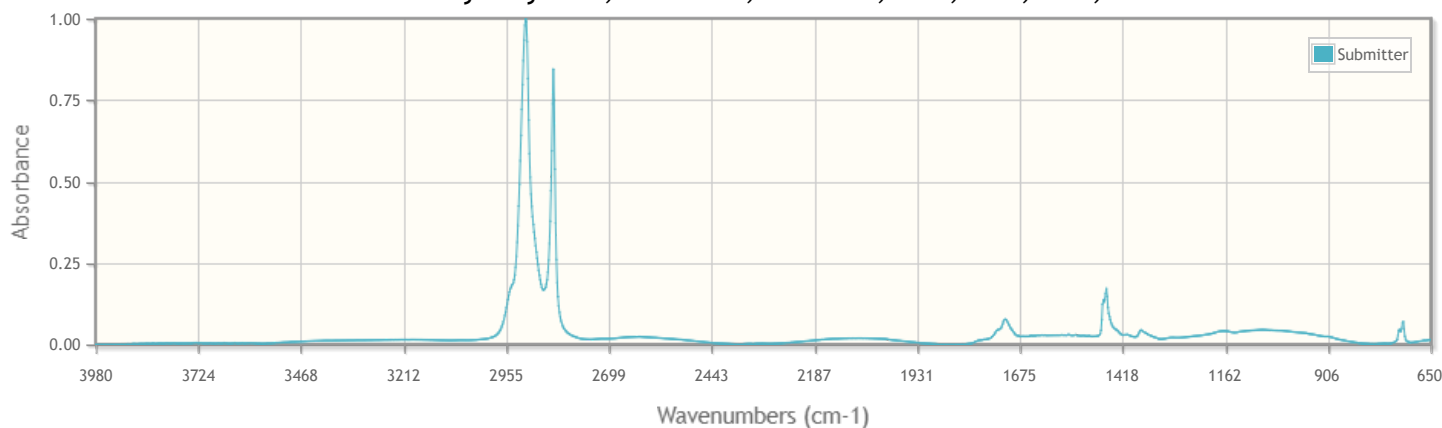


## ISR00077 Polyethylene, oxidized, low MW; SPP; 405; WM; tran



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Synthetic resins (SR)

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## Details

<b>IRUG filename:</b> ISR00077	<b>Data type:</b> Infrared	<b>IRUG material class:</b> Synthetic resins (SR)
<b>Sample type:</b> Reference material	<b>Common name(s):</b> Polyethylene, oxidized, low molecular weight	<b>CAS name:</b> Ethene, homopolymer, oxidized
<b>Sample source 1:</b> Scientific Polymer Products, Inc. (SPP)	<b>Source location 1:</b> 6265 Dean Parkway Ontario, NY, 14519, US	<b>Sample identifier 1:</b> Cat. No. 405, Polyethylene, oxidized
<b>Sample source 2:</b> Winterthur Museum, Garden and Library	<b>Source location 2:</b> 5105 Kennett Pike, Wilmington, DE, 19735, US	<b>Sample identifier 2:</b> Cat. No. 405, Polyethylene, oxidized
<b>Color:</b> White	<b>Other:</b> Product is an oxidized, low molecular weight homopolymer of ethylene. Acid number 15 mg KOH/g. Softening Point (C) 104. (SPP, Inc. Technical Data Sheet)	<b>MW (relative):</b> Low, literature, SPP Inc, Container label
<b>Application:</b> MFTIR (Fourier transform infrared microspectroscopy)	<b>Mode:</b> Tran	<b>Originating institution name:</b> Winterthur Museum, Garden and Library
<b>Originating institution acronym:</b> WM	<b>CAS registry no:</b> 68441-17-8	<b>Density (g/cc):</b> 0.93 g/cc, literature, SPP, Inc. Technical Data Sheet