AK96MI04 4.0 1.4 -3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 1.0 -0.2 0.5 -0.0 + 0.0 + 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

AK96MI08 4.0 1.4 -3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 1.0 0.2 0.5 -0.0 0.0 + 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

AK96MI13 4.0 1.4 -3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 1.0 -0.2 0.5 -0.0 0.0 + 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

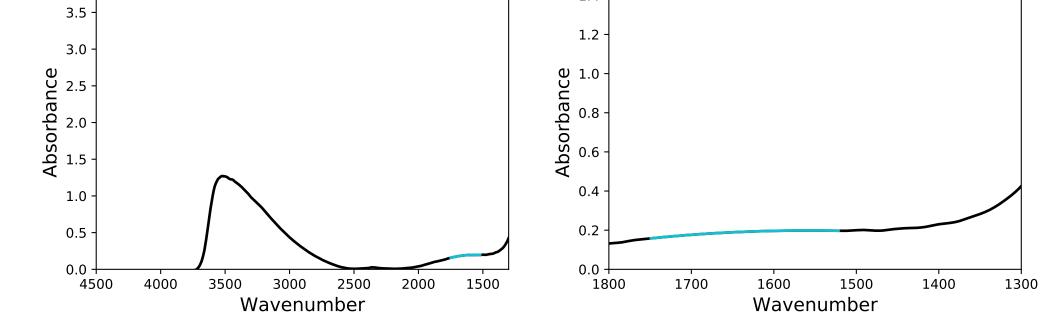
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CONE3-2AMI05 4.0 1.4 3.5 -1.2 3.0 -Absorbance 9.0 Absorbance 2.5 -2.0 -1.5 -0.4 1.0 0.2 0.5 -0.0 -0.0 4500 4000 3500 3000 2500 2000 1500 1700 1600 1500 1400 1300 1800 Wavenumber Wavenumber

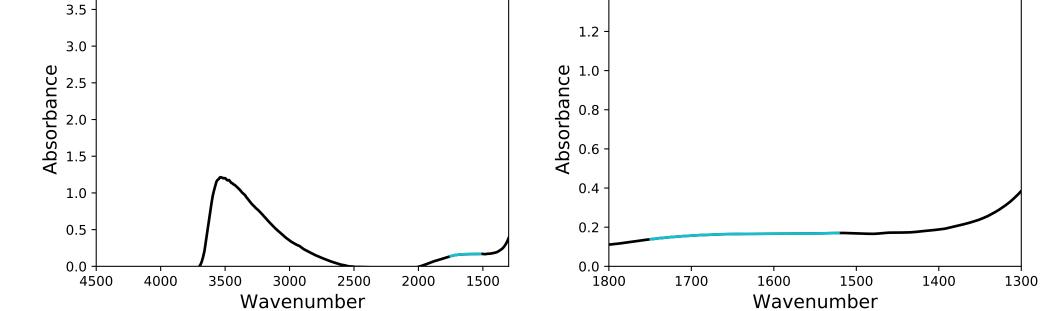
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CV09EMI06 4.0 1.4 3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 -1.0 0.2 0.5 0.0 0.0 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

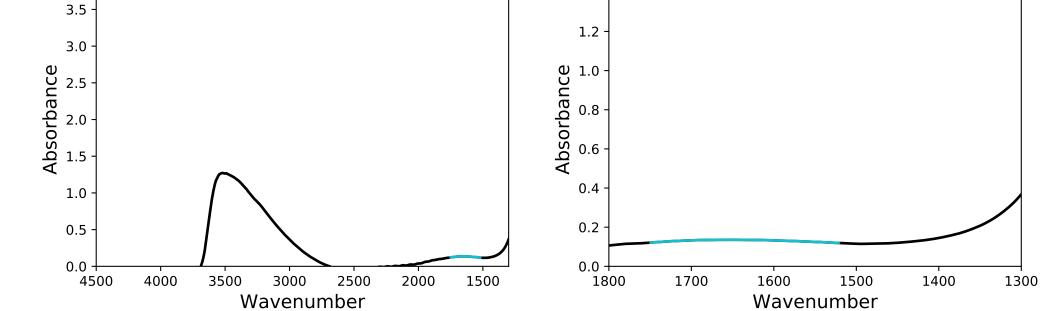
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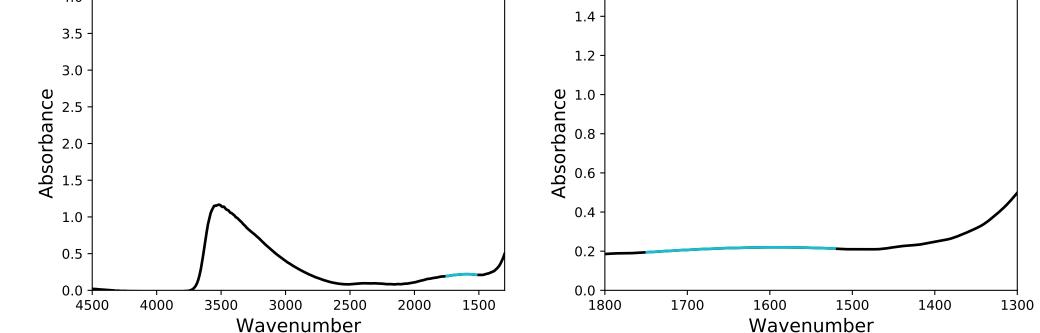
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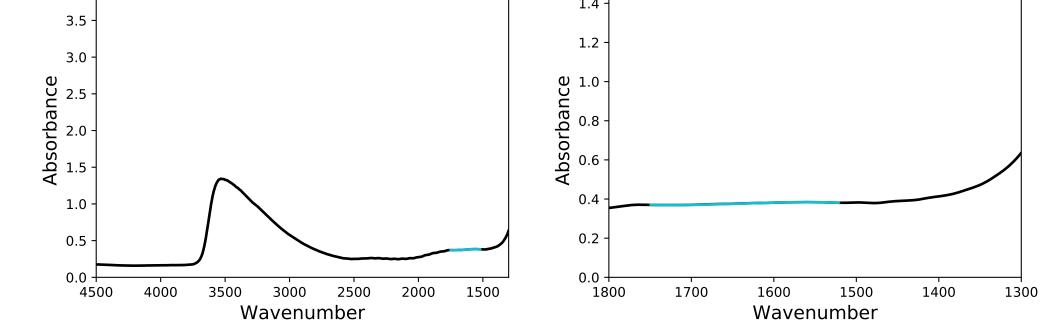
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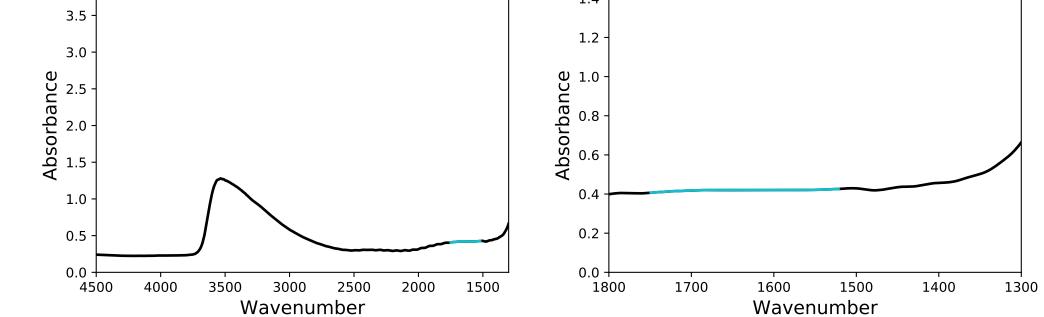
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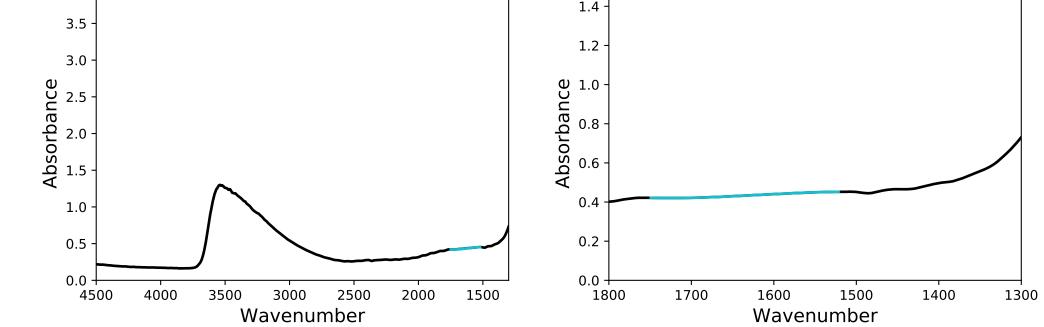
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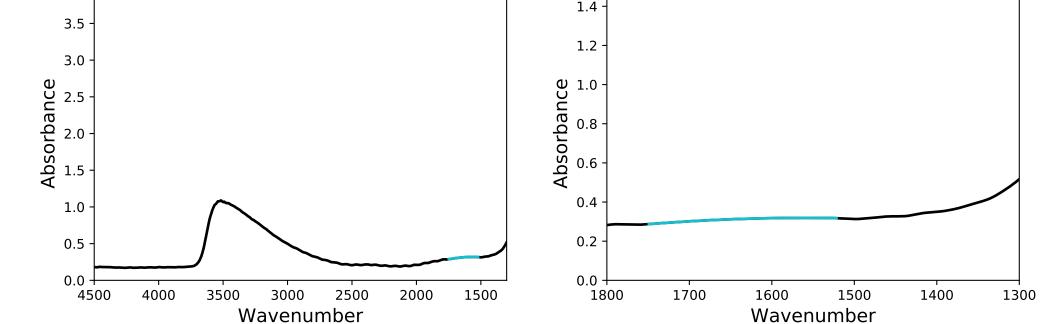
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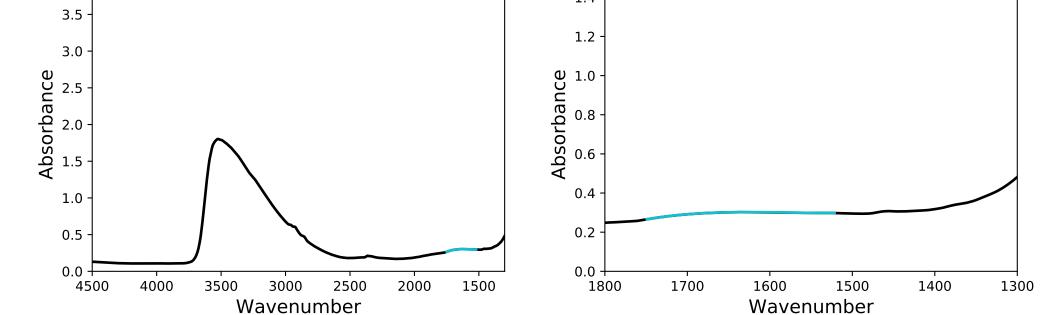
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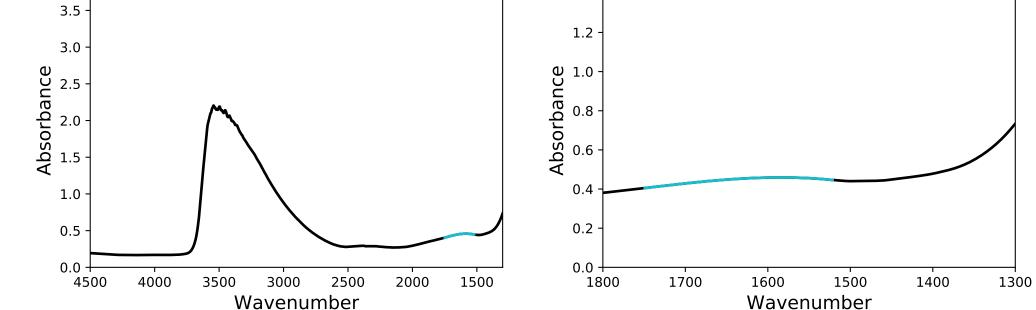
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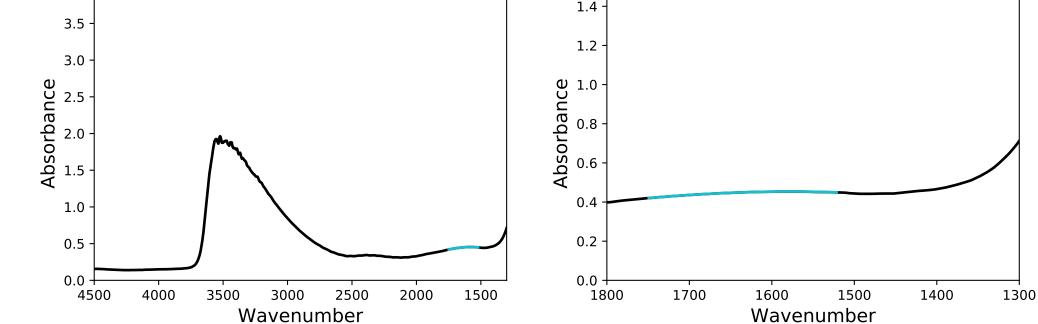
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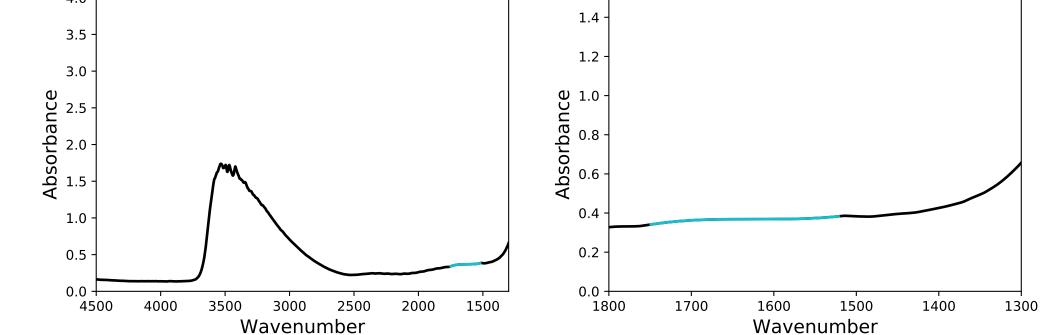
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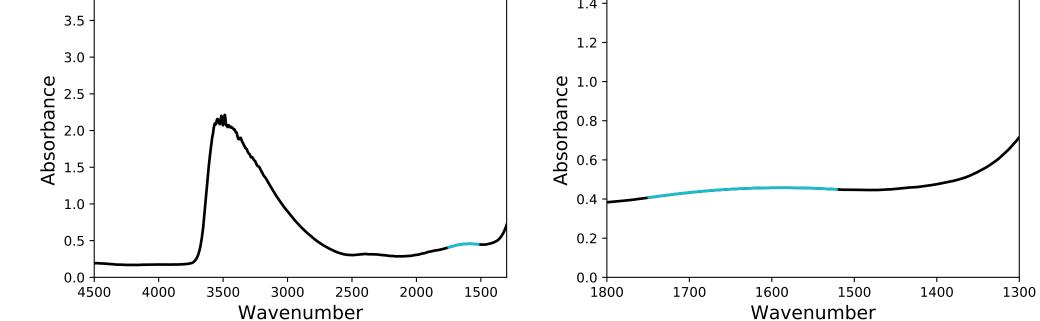
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FI45MI06 4.0 1.4 -3.5 -1.2 3.0 -



JFL019BMI04 4.0 1.4 -3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 1.0 0.2 0.5 -0.0 -0.0 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

JFL19BMI08 4.0 1.4 -3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 1.0 -0.2 0.5 -0.0 + 0.0 + 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

JFL19BMI09 4.0 1.4 -3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 1.0 0.2 0.5 -0.0 + 0.0 + 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

JFL19BMI11 4.0 1.4 -3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 1.0 -0.2 0.5 -0.0 + 0.0 + 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

JFL19CMI01 4.0 1.4 -3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 1.0 -0.2 0.5 -0.0 0.0 + 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

JFL30AMI05 4.0 1.4 -3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -. 0.8 -2.0 -1.5 -0.4 1.0 -0.2 -0.5 -0.0 + 0.0 + 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

JFL30AMI12 4.0 1.4 -3.5 -1.2 3.0 -Absorbance 2.5 - 1 Absorbance 9.0 . 0.8 ^{-J} 0.4 1.0 -0.2 0.5 -0.0 + 0.0 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

OK14MI01 4.0 1.4 3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 1.0 -0.2 -0.5 -0.0 + 0.0 + 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

OK14MI06A 4.0 1.4 -3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -. 0.8 -2.0 -1.5 -0.4 1.0 -0.2 0.5 -0.0 + 0.0 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

OK14MI06B 4.0 1.4 3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 1.0 -0.2 0.5 -0.0 + 0.0 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

OK14MI06C 4.0 1.4 3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 1.0 0.2 0.5 -0.0 -0.0 + 4500 4000 3500 2500 2000 1500 1700 1600 1500 1400 1300 3000 1800 Wavenumber Wavenumber

OK14MI07 4.0 1.4 -3.5 -1.2 3.0 -Absorbance 2.5 - 1 Absorbance 0.4 1.0 -0.2 0.5 -0.0 + 0.0 + 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

OK14MI08 4.0 1.4 3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 1.0 0.2 0.5 -0.0 + 0.0 + 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

OK14MI09 4.0 1.4 -3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 1.0 -0.2 0.5 0.0 + 0.0 + 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

OK14MI10 4.0 1.4 -3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 1.0 -0.2 0.5 -0.0 + 0.0 + 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

OK14MI12 4.0 1.4 -3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 -1.0 -0.2 -0.5 -0.0 + 0.0 + 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

OK17MI03 4.0 1.4 -3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -. 0.8 -2.0 -1.5 -0.4 1.0 0.2 0.5 -0.0 + 0.0 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

OK17MI05A 4.0 1.4 3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 1.0 -0.2 0.5 -0.0 + 0.0 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

OK17MI05B 4.0 1.4 3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 -1.0 -0.2 -0.5 -0.0 + 0.0 + 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

SH01MI02 4.0 1.4 3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 1.0 -0.2 0.5 -0.0 + 0.0 4500 4000 3500 3000 2500 2000 1500 1700 1600 1500 1400 1300 1800 Wavenumber Wavenumber

SH01MI05 4.0 1.4 3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 -1.0 0.2 0.5 -0.0 + 0.0 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

SH01MI08 4.0 1.4 -3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 1.0 0.2 -0.5 -0.0 + 0.0 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

SH01MI09 4.0 1.4 3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 -1.0 0.2 0.5 0.0 0.0 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

SH01MI10 4.0 1.4 3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 -1.0 -0.2 0.5 -0.0 + 0.0 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

SH01MI11 4.0 1.4 3.5 -1.2 3.0 -Absorbance 2.5 - 1 Absorbance 0.4 1.0 -0.2 0.5 -0.0 + 0.0 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

SH01MI12A 4.0 1.4 -3.5 -1.2 3.0 -Absorbance 2.5 - 1 Absorbance . 0.8 -0.4 1.0 -0.2 0.5 -0.0 + 0.0 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

SH01MI12B 4.0 1.4 3.5 -1.2 3.0 -Absorbance 2.5 - 1 Absorbance 0.4 -1.0 -0.2 0.5 -0.0 + 0.0 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

SH01MI13 4.0 1.4 -3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 1.0 0.2 -0.5 -0.0 + 0.0 + 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

SH01MI15 4.0 1.4 3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 1.0 -0.2 0.5 0.0 + 0.0 + 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

SH01MI16 4.0 1.4 3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 -1.0 0.2 0.5 -0.0 + 0.0 + 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

SH01MI17 4.0 1.4 3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 -1.0 -0.2 -0.5 -0.0 + 0.0 + 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

SH01MI18 4.0 1.4 -3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 -1.0 -0.2 -0.5 -0.0 + 0.0 + 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

SH01MI19 4.0 1.4 3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 1.0 0.2 0.5 -0.0 + 0.0 + 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

SH01MI20 4.0 1.4 -3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 1.0 0.2 -0.5 -0.0 + 0.0 + 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

SH01MI21 4.0 1.4 -3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 1.0 -0.2 -0.5 -0.0 + 0.0 + 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

SH54MI03 4.0 1.4 -3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 1.0 -0.2 -0.5 -0.0 + 0.0 + 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

SH54MI11 4.0 1.4 3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 1.0 0.2 0.5 -0.0 + 0.0 + 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

SH54MI12 4.0 1.4 3.5 -1.2 3.0 -Absorbance 2.5 - 1 Absorbance 9.0 0.4 1.0 0.2 0.5 -0.0 + 0.0 + 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

SH55MI02 4.0 1.4 -3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 -1.0 0.2 -0.5 -0.0 + 0.0 + 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

SH58MI01 4.0 1.4 3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -. 0.8 -2.0 -1.5 -0.4 -1.0 -0.2 0.5 0.0 + 0.0 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

SH58MI11A 4.0 1.4 3.5 -1.2 3.0 -Absorbance 9.0 Absorbance 2.5 -2.0 -1.5 -0.4 1.0 -0.2 -0.5 -0.0 + 0.0 + 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

SH58MI13 4.0 1.4 3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 1.0 0.2 0.5 -0.0 + 0.0 + 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

SH58MI15 4.0 1.4 -3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 -1.0 -0.2 0.5 -0.0 -0.0 + 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

SH60MI01 4.0 1.4 -3.5 -1.2 3.0 -Absorbance 2.5 - 1 Absorbance 0.4 1.0 -0.2 0.5 -0.0 + 0.0 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

SH60MI02 4.0 1.4 3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 1.0 0.2 0.5 -0.0 0.0 + 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

SH60MI23 4.0 1.4 -3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 1.0 0.2 -0.5 -0.0 + 0.0 + 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

SH60MI24 4.0 1.4 3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 -1.0 -0.2 0.5 0.0 + 0.0 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

SH60MI25 4.0 1.4 -3.5 -1.2 3.0 -Absorbance 2.5 - 1 Absorbance 0.4 1.0 -0.2 0.5 -0.0 + 0.0 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

SH63MI02 4.0 1.4 -3.5 -1.2 3.0 -Absorbance 9.0 Absorbance 2.5 -2.0 -1.5 -0.4 -1.0 -0.2 0.5 0.0 + 0.0 + 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

SH63MI03 4.0 1.4 3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 -1.0 0.2 0.5 -0.0 + 0.0 4500 4000 3500 2500 2000 1500 1800 1700 1600 1500 1400 1300 3000 Wavenumber Wavenumber

SH63MI04 4.0 1.4 -3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 -1.0 0.2 0.5 -0.0 + 0.0 4500 4000 3500 2500 2000 1500 1800 1700 1600 1500 1400 1300 3000 Wavenumber Wavenumber

SH63MI05A 4.0 1.4 3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 1.0 0.2 0.5 -0.0 + 0.0 4500 4000 3500 2500 2000 1500 1800 1700 1600 1500 1400 3000 1300 Wavenumber Wavenumber

SH63MI05B 4.0 1.4 3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 1.0 0.2 0.5 -0.0 + 0.0 + 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300

Wavenumber

Wavenumber

SH63MI10 4.0 1.4 -3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 1.0 0.2 -0.5 -0.0 + 0.0 + 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

SH63MI11 4.0 1.4 3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 1.0 0.2 0.5 -0.0 + 0.0 + 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

SH63MI12 4.0 1.4 -3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 -1.0 0.2 -0.5 -0.0 + 0.0 + 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

SH63MI13 4.0 1.4 3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 1.0 0.2 0.5 -0.0 + 0.0 + 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

SH63MI14 4.0 1.4 3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 1.0 0.2 0.5 -0.0 -0.0 + 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

SH63MI15 4.0 1.4 -3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 1.0 -0.2 0.5 -0.0 + 0.0 + 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

SH63MI16 4.0 1.4 -3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 1.0 0.2 -0.5 -0.0 + 0.0 + 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

SH63MI17 4.0 1.4 -3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 1.0 0.2 0.5 -0.0 + 0.0 + 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

SH63MI19 4.0 1.4 -3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 1.0 -0.2 0.5 -0.0 + 0.0 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

SH63MI22 4.0 1.4 -3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 1.0 0.2 0.5 -0.0 + 0.0 + 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

SH63MI24 4.0 1.4 -3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 1.0 0.2 -0.5 -0.0 + 0.0 + 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

SH63MI25 4.0 1.4 -3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 1.0 -0.2 -0.5 -0.0 + 0.0 + 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

SH63MI27 4.0 1.4 3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 -1.0 0.2 -0.5 -0.0 + 0.0 + 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

SH63MI29 4.0 1.4 -3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 1.0 -0.2 -0.5 -0.0 + 0.0 + 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

SH63MI31 4.0 1.4 -3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 1.0 -0.2 -0.5 -0.0 + 0.0 + 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

SH63MI34 4.0 1.4 -3.5 -1.2 3.0 -Absorbance 9.0 Absorbance 2.5 -2.0 -1.5 -0.4 1.0 -0.2 0.5 -0.0 + 0.0 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

SH63MI35 4.0 1.4 -3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -. 0.8 -2.0 -1.5 -0.4 1.0 0.2 0.5 -0.0 + 0.0 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

SH63MI36 4.0 1.4 3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 -1.0 0.2 0.5 0.0 0.0 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

SH63MI39 4.0 1.4 3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 1.0 0.2 0.5 -0.0 + 0.0 + 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

SH63MI40 4.0 1.4 -3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 1.0 -0.2 -0.5 -0.0 + 0.0 + 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

SH63MI43 4.0 1.4 -3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 -1.0 -0.2 0.5 -0.0 + 0.0 + 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

SH63MI47 4.0 1.4 -3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 1.0 0.2 0.5 -0.0 + 0.0 + 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

SH63MI49 4.0 1.4 -3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 -1.0 -0.2 -0.5 -0.0 4 0.0 + 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

SH63MI53 4.0 1.4 -3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 -1.0 0.2 -0.5 -0.0 + 0.0 + 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

SH63MI54 4.0 1.4 -3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 -1.0 0.2 0.5 0.0 + 0.0 + 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

TAP18AMI03 4.0 1.4 3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 -1.0 0.2 0.5 0.0 0.0 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

TAP18AMI04 4.0 1.4 -3.5 -1.2 3.0 -Absorbance 9.0 Absorbance 2.5 -2.0 -1.5 -0.4 1.0 -0.2 -0.5 -0.0 -0.0 + 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

TAP18AMI05 4.0 1.4 3.5 -1.2 3.0 -Absorbance 9.0 Absorbance 2.5 -2.0 -1.5 -0.4 1.0 -0.2 0.5 0.0 + 0.0 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

Terry3MI01 4.0 1.4 -3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 -1.0 -0.2 -0.5 -0.0 + 0.0 + 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

Terry3MI03 4.0 1.4 -3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 1.0 -0.2 -0.5 -0.0 + 0.0 + 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

Terry3MI04A 4.0 1.4 -3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -. 0.8 -2.0 -0.4 1.0 -0.2 0.5 -0.0 0.0 4500 4000 3500 3000 2500 2000 1500 1700 1600 1500 1400 1300 1800 Wavenumber Wavenumber

Terry3MI05 4.0 1.4 -3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 1.0 -0.2 0.5 -0.0 + 0.0 + 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

VS73MI02 4.0 1.4 3.5 -1.2 3.0 -Absorbance 9.0 Absorbance 2.5 -2.0 -1.5 -0.4 1.0 -0.2 0.5 0.0 0.0 + 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

VS74AMI01 4.0 1.4 -3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 1.0 -0.2 -0.5 -0.0 + 0.0 + 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

WD07MI01A 4.0 1.4 -3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 1.0 -0.2 -0.5 -0.0 + 0.0 + 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

WD07MI01B 4.0 1.4 3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 1.0 -0.2 0.5 -0.0 + 0.0 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

WD07MI03 4.0 1.4 3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 1.0 0.2 0.5 0.0 0.0 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

WD10MI04 4.0 1.4 3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 1.0 0.2 0.5 -0.0 0.0 + 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

WD10MI05 4.0 1.4 -3.5 -1.2 3.0 -Absorbance 9.0 Absorbance 2.5 -2.0 -1.5 -0.4 -1.0 0.2 -0.5 -0.0 -0.0 + 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

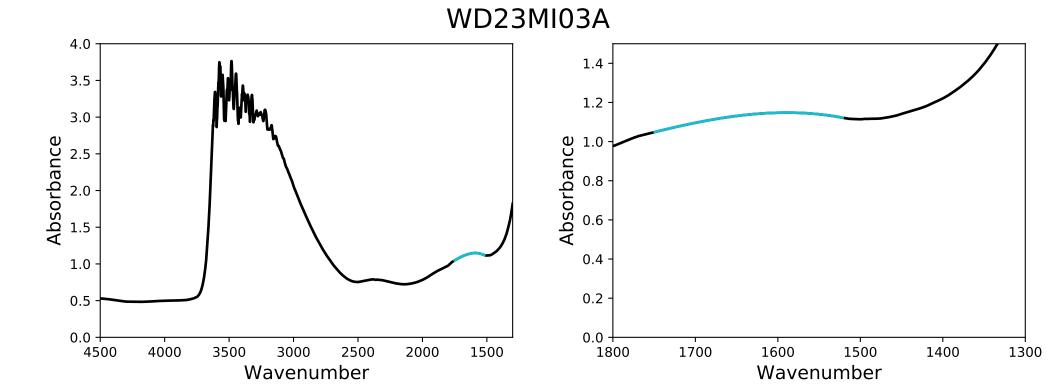
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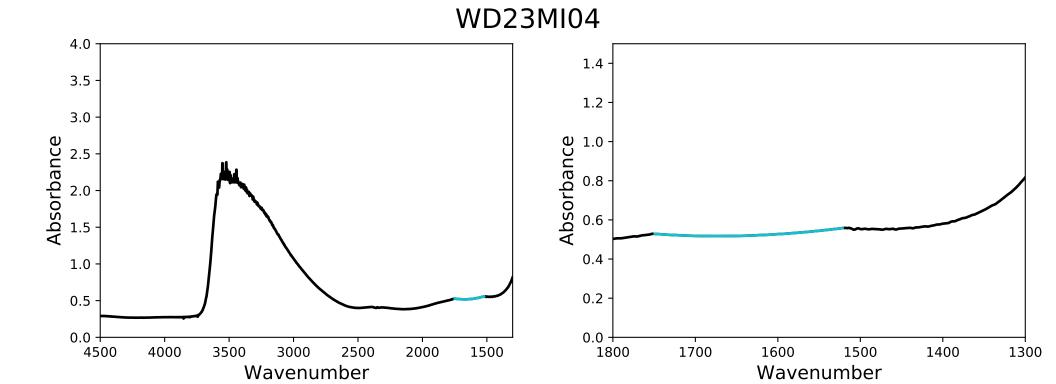
WD12MI04B 4.0 1.4 -3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 1.0 -0.2 0.5 -0.0 + 0.0 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

WD12MI06 4.0 1.4 -3.5 -1.2 3.0 -Absorbance 2.5 - 1 Absorbance . 0.8 -0.4 1.0 -0.2 0.5 -0.0 + 0.0 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

WD23MI01 4.0 1.4 3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 1.0 -0.2 0.5 -0.0 + 0.0 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

WD23MI02 4.0 1.4 -3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 1.0 -0.2 0.5 -0.0 + 0.0 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber





WD23MI06 4.0 1.4 3.5 -1.2 3.0 -Absorbance 9.0 Absorbance 2.5 -2.0 -1.5 -0.4 -1.0 0.2 0.5 -0.0 + 0.0 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

WD32MI02 4.0 1.4 3.5 -1.2 3.0 -Absorbance 9.0 Absorbance 2.5 -. 0.8 -2.0 -1.5 -0.4 -1.0 -0.2 0.5 -0.0 + 0.0 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

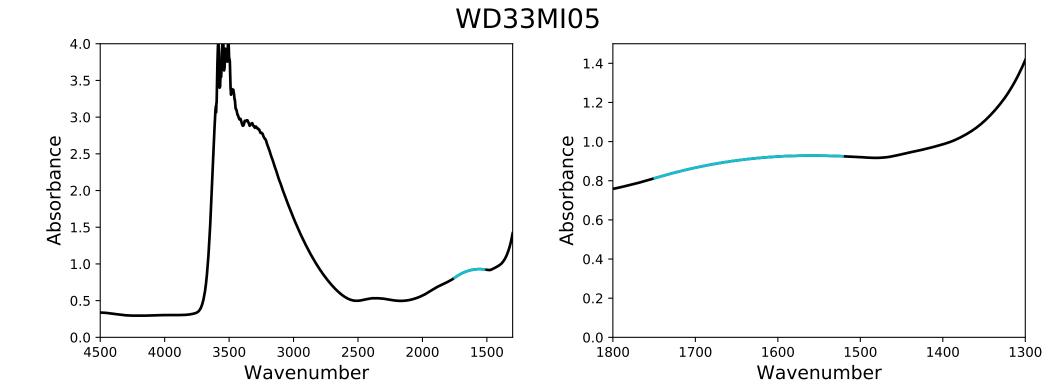
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WD32MI04 4.0 1.4 3.5 -1.2 3.0 -Absorbance 9.0 Absorbance 2.5 -2.0 -1.5 -0.4 1.0 0.2 0.5 -0.0 + 0.0 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

WD32MI05 4.0 1.4 3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 1.0 0.2 -0.5 -0.0 + 0.0 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

WD33MI02 4.0 1.4 3.5 -1.2 3.0 -Absorbance 9.0 Absorbance 2.5 -2.0 -1.5 -0.4 -1.0 0.2 -0.5 -0.0 + 0.0 + 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

WD33MI03 4.0 1.4 3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 1.0 -0.2 -0.5 -0.0 + 0.0 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber



WD33MI06 4.0 1.4 3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 1.0 -0.2 -0.5 -0.0 + 0.0 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

WD35MI01 4.0 1.4 3.5 -1.2 3.0 -Absorbance 2.5 - 1 Absorbance 0.4 1.0 0.2 0.5 -0.0 + 0.0 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

WD35MI02 4.0 1.4 3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 1.0 0.2 0.5 -0.0 + 0.0 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

WD35MI03 4.0 1.4 -3.5 -1.2 3.0 -Absorbance 9.0 Absorbance 2.5 -2.0 -1.5 -0.4 1.0 -0.2 -0.5 -0.0 -0.0 + 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

WD35MI04A 4.0 1.4 3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 1.0 0.2 0.5 -0.0 + 0.0 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

WD70MI01A 4.0 1.4 3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 1.0 0.2 0.5 -0.0 + 0.0 4500 4000 3500 3000 2500 2000 1500 1700 1600 1500 1400 1300 1800 Wavenumber Wavenumber

WD70MI01B 4.0 1.4 3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 1.0 0.2 -0.5 -0.0 + 0.0 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

WD70MI02 4.0 1.4 3.5 -1.2 3.0 -Absorbance 2.5 - 1 Absorbance 9.0 0.4 -1.0 -0.2 0.5 -0.0 + 0.0 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

WD70MI03 4.0 1.4 -3.5 -1.2 3.0 -Absorbance Absorbance 2.5 -2.0 -1.5 -0.4 -1.0 -0.2 0.5 -0.0 + 0.0 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

WD70MI04 4.0 1.4 -3.5 -1.2 3.0 -Absorbance 9.0 Absorbance 2.5 -2.0 -1.5 -0.4 1.0 -0.2 -0.5 -0.0 + 0.0 4500 4000 3500 3000 2500 2000 1500 1800 1700 1600 1500 1400 1300 Wavenumber Wavenumber

WD71AMI01 4.0 1.4 3.5 -1.2 3.0 -Absorbance 2.5 - 1 Absorbance 9.0 0.4 -1.0 -0.2 0.5 -0.0 + 0.0 4500 4000 3500 3000 2500 2000 1500 1700 1600 1500 1400 1300 1800 Wavenumber Wavenumber