

IR spectrum of compound 10. The x-axis represents wavenumber in cm^{-1} (4000 to 450), and the y-axis represents percent transmittance (%T) (61 to 170). The spectrum shows characteristic absorption bands for the compound, including a broad O-H stretch around 3400 cm^{-1} , C-H stretches near 2900 cm^{-1} , a strong C=O carbonyl stretch at 1700 cm^{-1} , and various fingerprint region peaks. Key peaks are labeled with their wavenumbers and transmittance values.

Wavenumber (cm^{-1})	Transmittance (%T)
3183.11	96.50
2958.31	97.03
2844.78	96.50
2182.31	97.99
1700.00	~100
1675.01	63.71
1614.11	~80
1585.21	~70
1500.00	~80
1484.77	~70
1402.71	90.83
1328.14	~80
1248.70	~80
1135.15	~80
1033.02	~70
995.05	~90
950.57	~90
900.25	~80
841.17	~80
800.25	~80
779.56	~80
759.11	~80
700.00	~80
637.12	~70
638.95	~70
615.72	~70
580.00	~80
500.00	~80
482.56	~90
462.92	~90
430.00	~90

Sample Name	Description	Quality Checks
Analyst 968	Sample 968 By Analyst Date Wednesday, June 05 2024	The Quality Checks give rise to multiple warnings for the sample.