

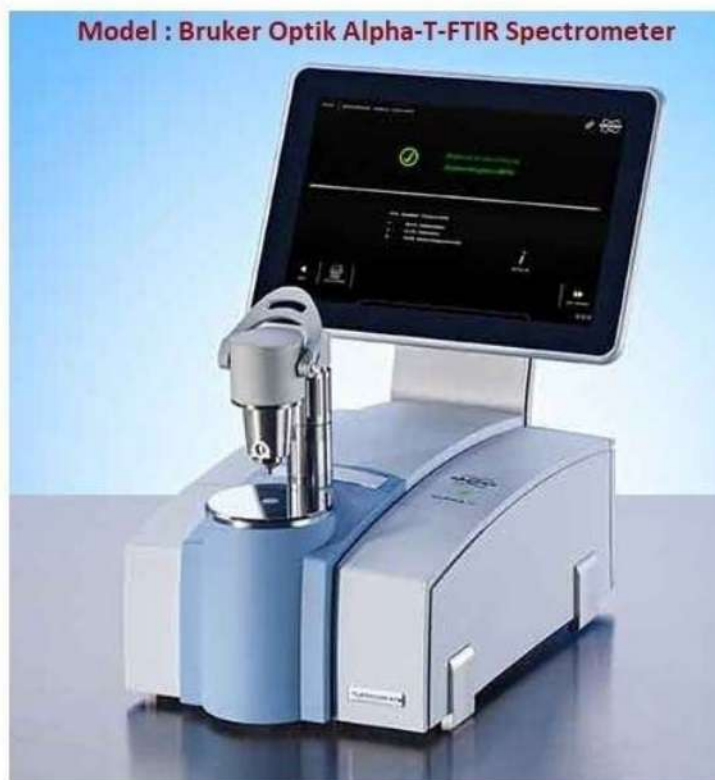
Fourier Transform Infra Red Spectroscopy (FTIR-ATR)

Sample Requirement :-

1. Solid Sample - 0.5 gm.
2. Liquid Sample - 1 ml.

Applications :-

1. Identification of Functional Groups in Unknown Sample.
2. Identification of Chemical / Polymer by Comparison of FTIR Spectrum of Sample with Spectrum of Reference Standard.



Contact Us

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Send your Enquiries



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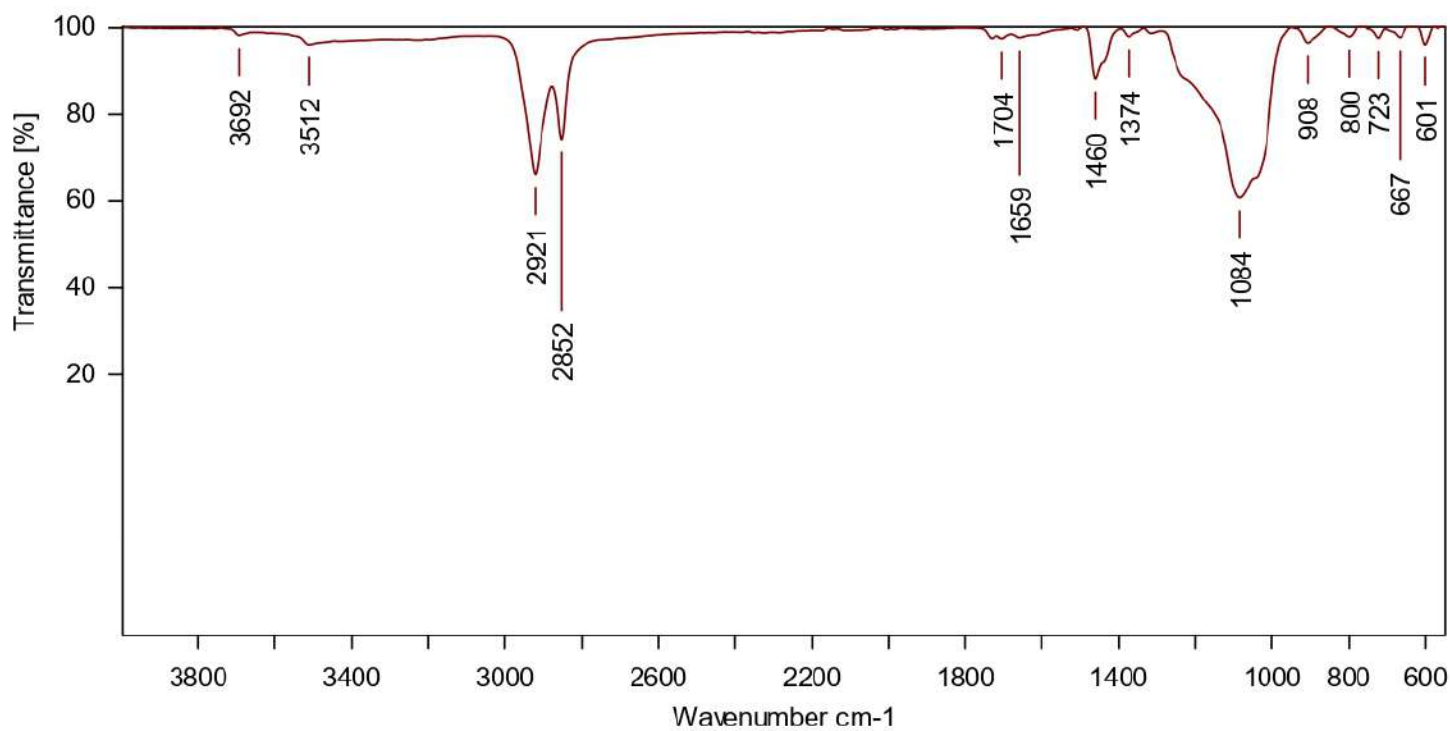


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Red Sample



Wavenumber	Abs. intensity	Rel. intensity	Width	Found if thres hold <	Shoulder
3692.0018	0.983	0.008	28.6142	1.680305	0
3511.5897	0.961	0.030	1546.5018	4.831515	0
2921.3295	0.662	0.339	61.9612	82.387886	0
2852.0464	0.743	0.125	19.2665	29.907166	0
1703.8207	0.975	0.025	143.1976	6.018887	0
1658.5805	0.978	0.010	30.6381	1.901939	0
1459.6732	0.882	0.119	41.9209	28.447886	0
1374.3175	0.980	0.018	27.6438	4.292255	0
1084.4182	0.608	0.402	150.7984	96.062775	0
907.6044	0.965	0.038	42.4977	8.645829	0
799.9574	0.979	0.032	55.8537	5.978772	0
722.7893	0.976	0.040	38.7747	9.621449	0
667.2962	0.978	0.032	35.3655	4.890716	0
601.2284	0.961	0.049	22.8973	10.472691	0

Experiment ATR_DI.XPM

Operator Name Default

Instrument Type Alpha

Resolution 4

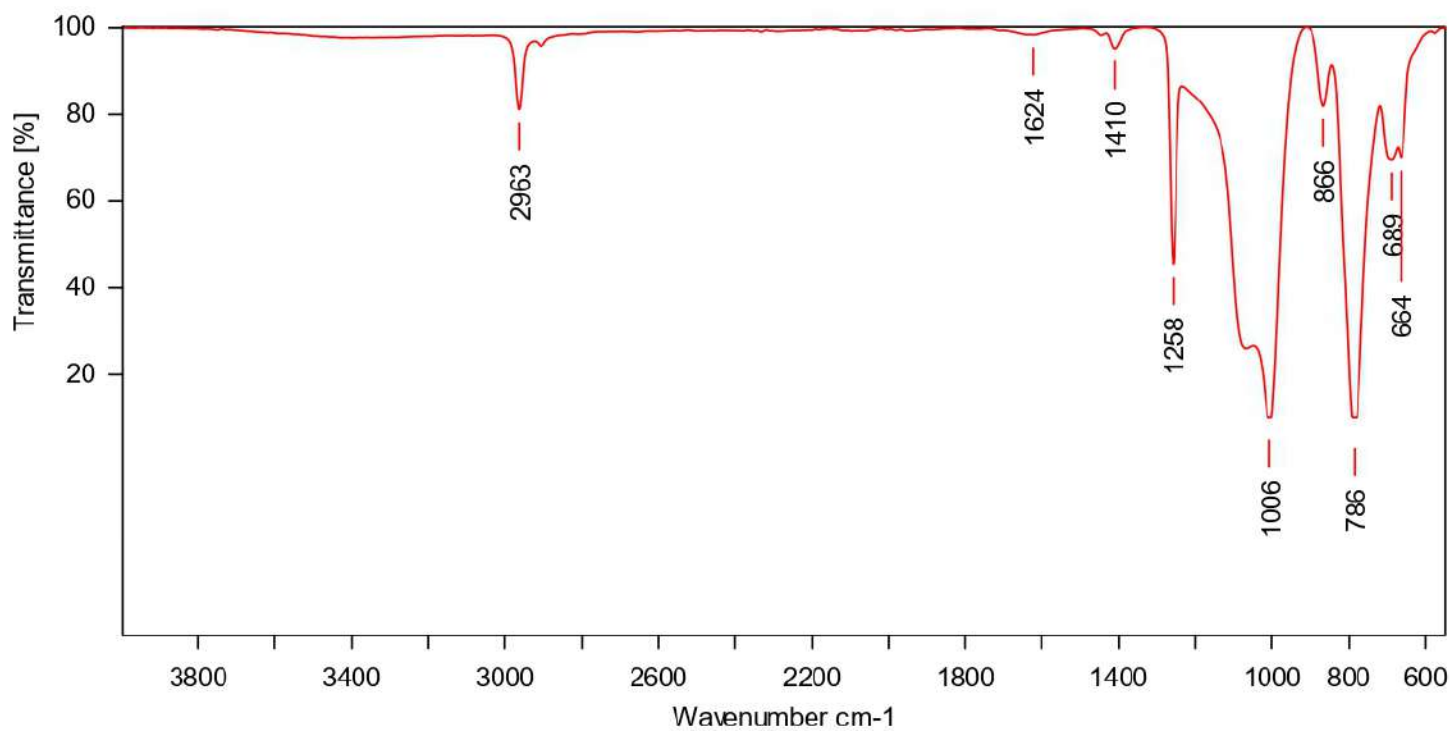
Path of File D:\ATR-SHRADDHA

Date of Measurement 22-04-2022

Ch. 2 Filename

Sample Scans 24

White Sample



Wavenumber	Abs. intensity	Rel. intensity	Width	Found if thres hold <	Shoulder
2962.7279	0.811	0.190	22.5110	20.110493	0
1624.0816	0.984	0.014	96.0569	1.507595	0
1410.3215	0.953	0.048	30.3573	4.967141	0
1258.0706	0.455	0.443	16.8777	43.610168	0
1006.4680	0.079	0.922	131.5298	98.004196	0
866.2653	0.819	0.124	27.1974	10.052750	0
785.5694	0.060	0.938	61.2966	99.124123	0
688.7367	0.695	0.163	57.5710	13.151410	0
663.8932	0.700	0.051	92.7237	2.565651	0

Experiment ATR_DI.XPM

Operator Name Default

Instrument Type Alpha

Resolution 4

Path of File D:\ATR-SHRADDHA

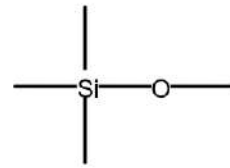
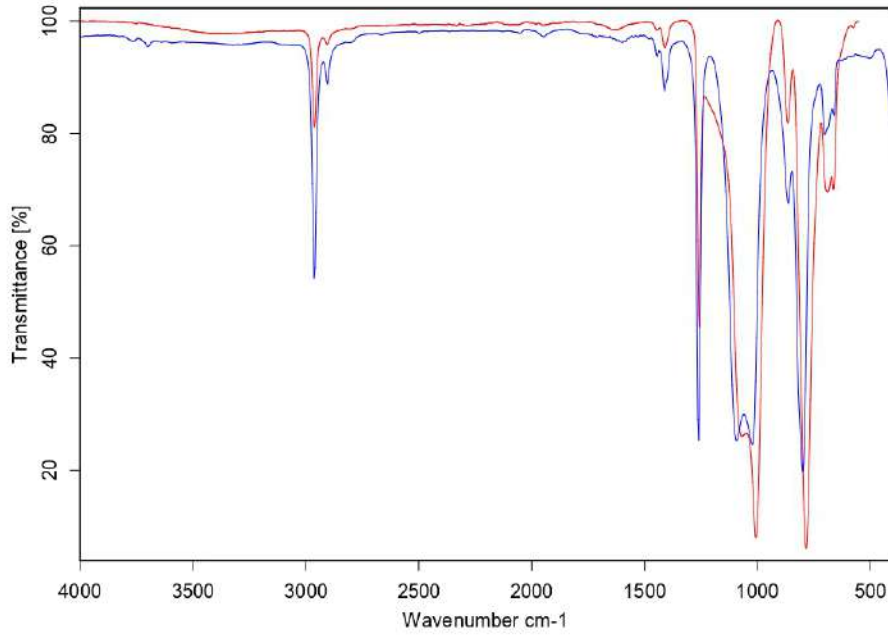
Date of Measurement 22-04-2022

Ch. 2 Filename

Sample Scans 24

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Compound Name	POLY(DIMETHYLSILOXANE)
Molecular Formula	SiC2H6O
Molecular Weight	
CAS Registry Number	63148-62-9
Sample Preparation	CAST FILM FROM THF ON KBR
Comment	molecular formula means constitutional repeat
Entry No.	334
Library name	DEMOLIB.S01
Library description	General Library IR
Copyright	User Library

Color	Hit Quality	Compound name	CAS Number	Molecular formula	Molecular weight
Blue	924	POLY(DIMETHYLSILOXANE)	63148-62-9	Si1C2H6O1	

Color	File	Path	Spectrum Type
Red	White Sample.0	D:\ATR-SHRADDHA	Query Spectrum