

Supporting Information

Silver(I) Catalyzed Intramolecular Cyclization of N-(2-(alk-1-yn-1-yl))Tetrazoles leading to the formation of N-cyano-2-substituted Indoles under ambient conditions

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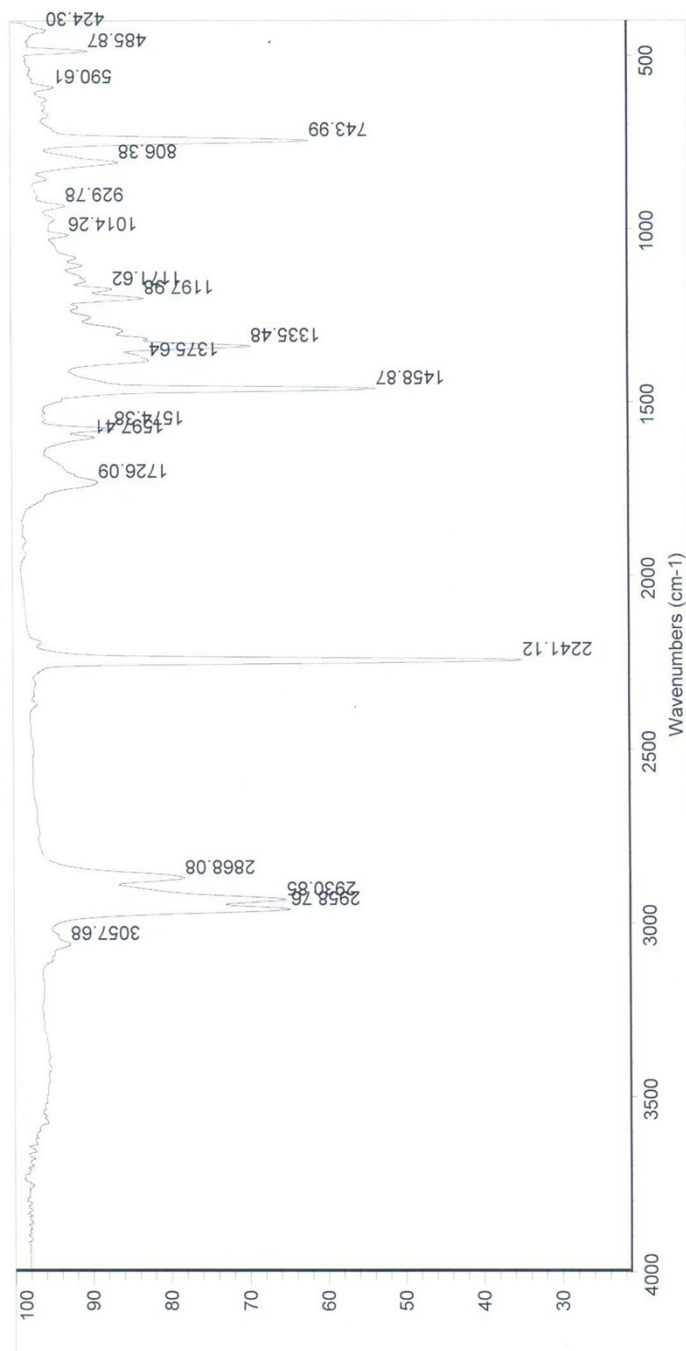
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IR Spectrum of Compounds (4aa-4ee)

Indian Institute of Chemical Technology, Hyderabad FT-IR Analysis Report



Sample Name: RT-HEXPD [NEAT]

Sample Preparation:

Collection time: Thu Mar 09 15:34:20 2017 (GMT+05:30)

Bench: Thermo Nicolet Nexus 670 Spectrometer

Resolution: 4cm⁻¹

Detector: DTGS KB

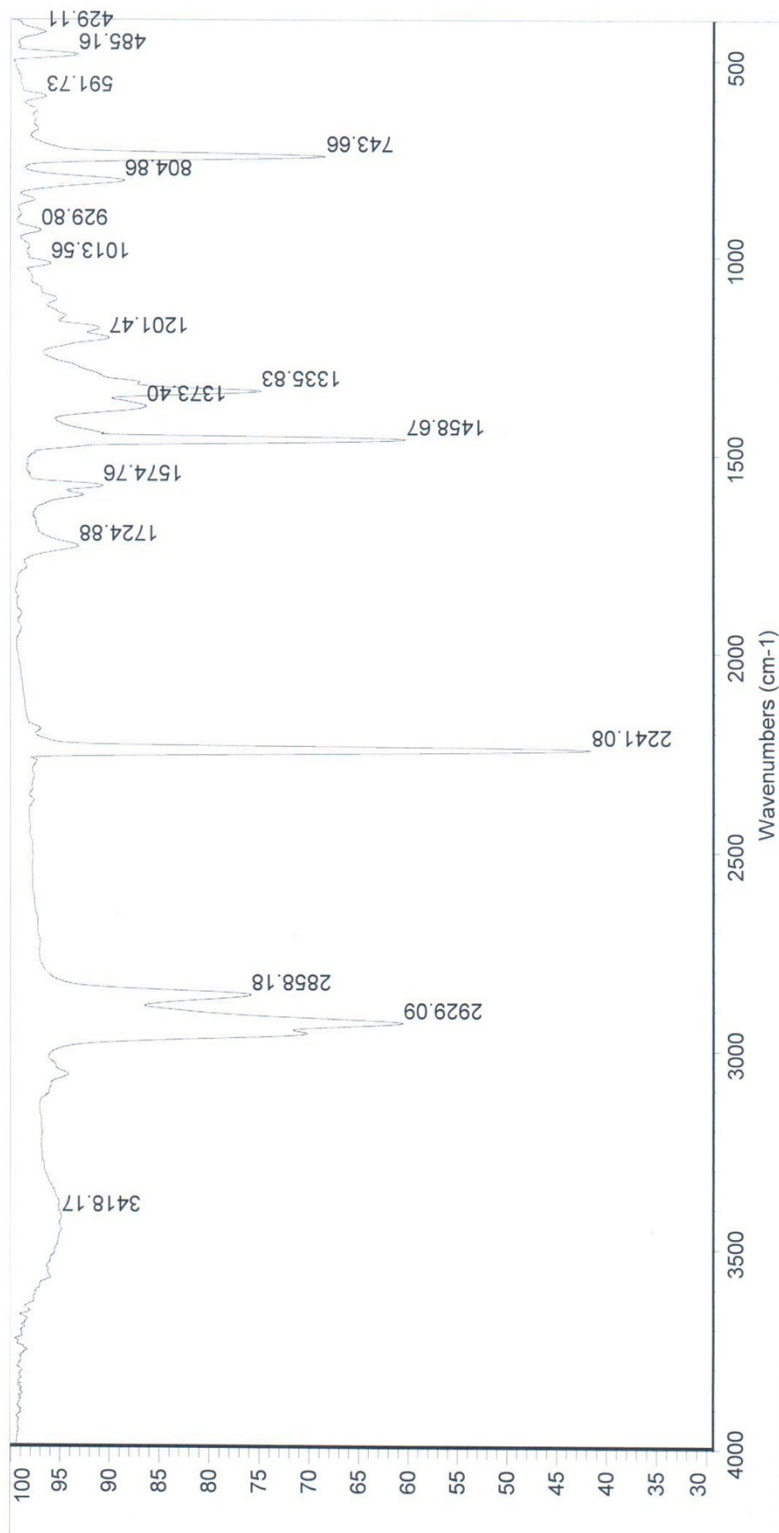
Beamsplitter: KBr

Source: IR

Analyst Name:

IR Spectrum of 4ba

Indian Institute of Chemical Technology, Hyderabad
FT-IR Analysis Report



Sample Name: PRL-OCT [NEAT]

Sample Preparation:

Collection time: Mon Mar 06 11:37:24 2017 (GMT+05:30)

Bench: Thermo Nicolet Nexus 670 Spectrometer

Resolution: 4cm-1

Detector: DTGS KB

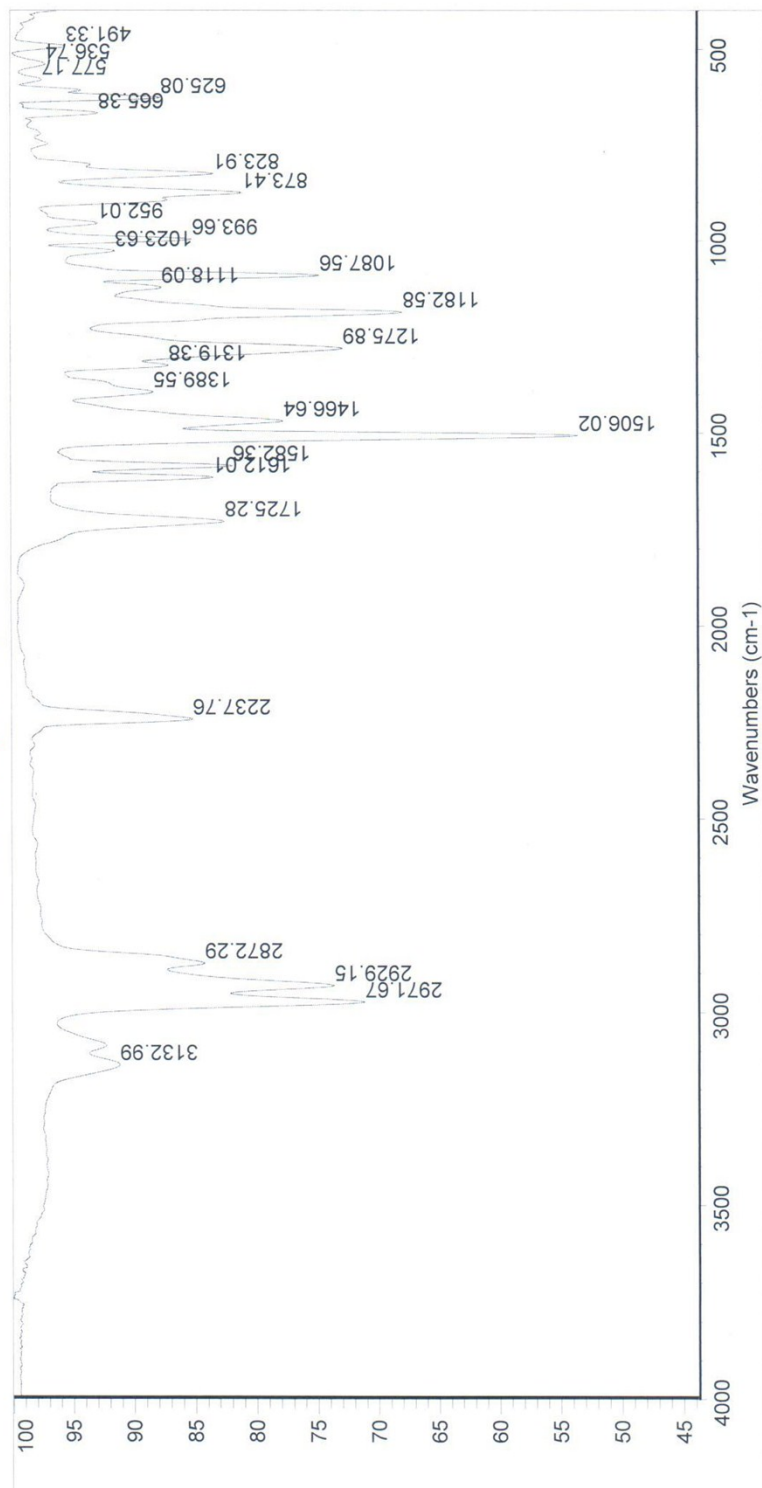
Beamsplitter: KBr

Source: IR

Analyst Name:

IR Spectrum of 4bb

Indian Institute of Chemical Technology, Hyderabad
FT-IR Analysis Report



Sample Name: PRL-SEC [NEAT]

Sample Preparation:

Collection time: Fri Mar 03 15:04:50 2017 (GMT+05:30)

Bench: Thermo Nicolet Nexus 670 Spectrometer

Resolution: 4cm-1

Detector: DTGS KB

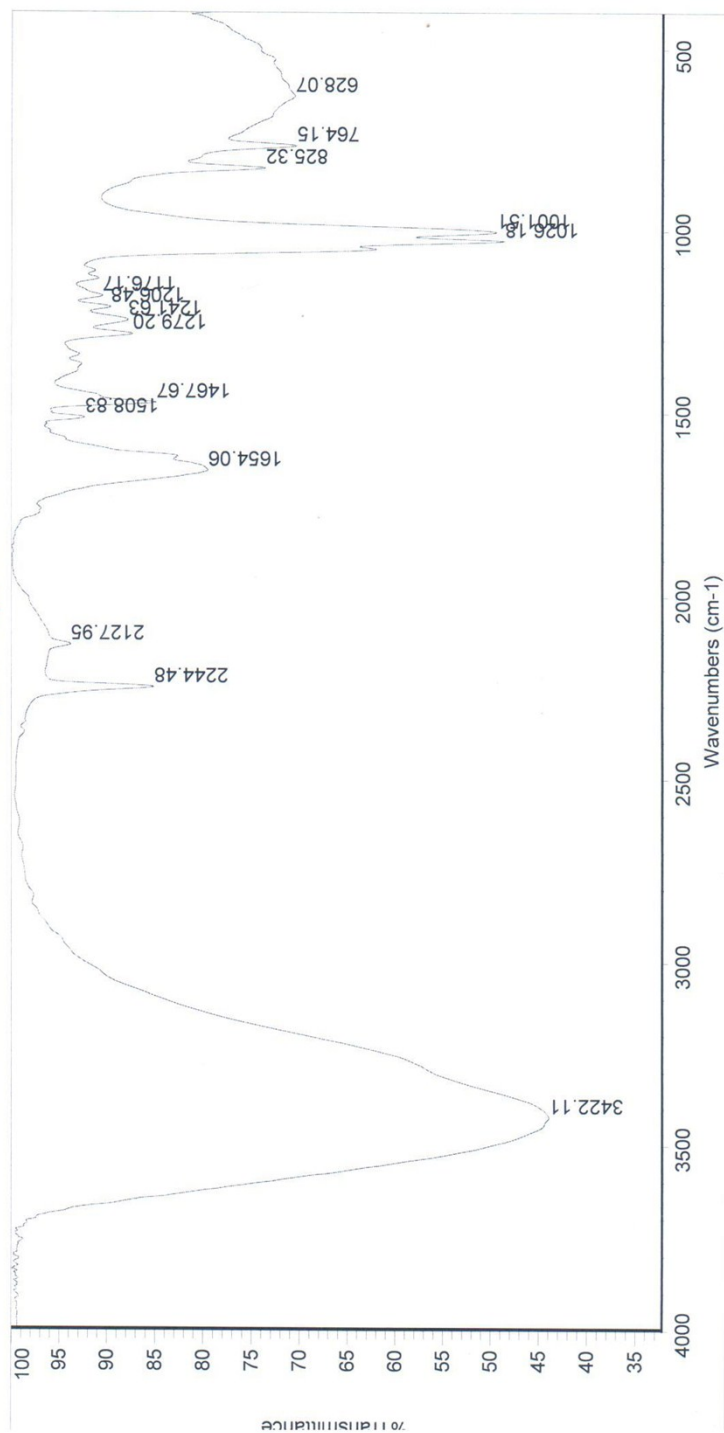
Beamsplitter: KBr

Source: IR

Analyst Name:

Spectrum of 4bc

Indian Institute of Chemical Technology, Hyderabad
FT-IR Analysis Report



Sample Name: RT-FPOH [NEAT]

Sample Preparation:

Collection time: Mon Mar 06 12:23:03 2017 (GMT+05:30)

Bench: Thermo Nicolet Nexus 670 Spectrometer

Resolution: 4cm-1

Detector: DTGS-KB

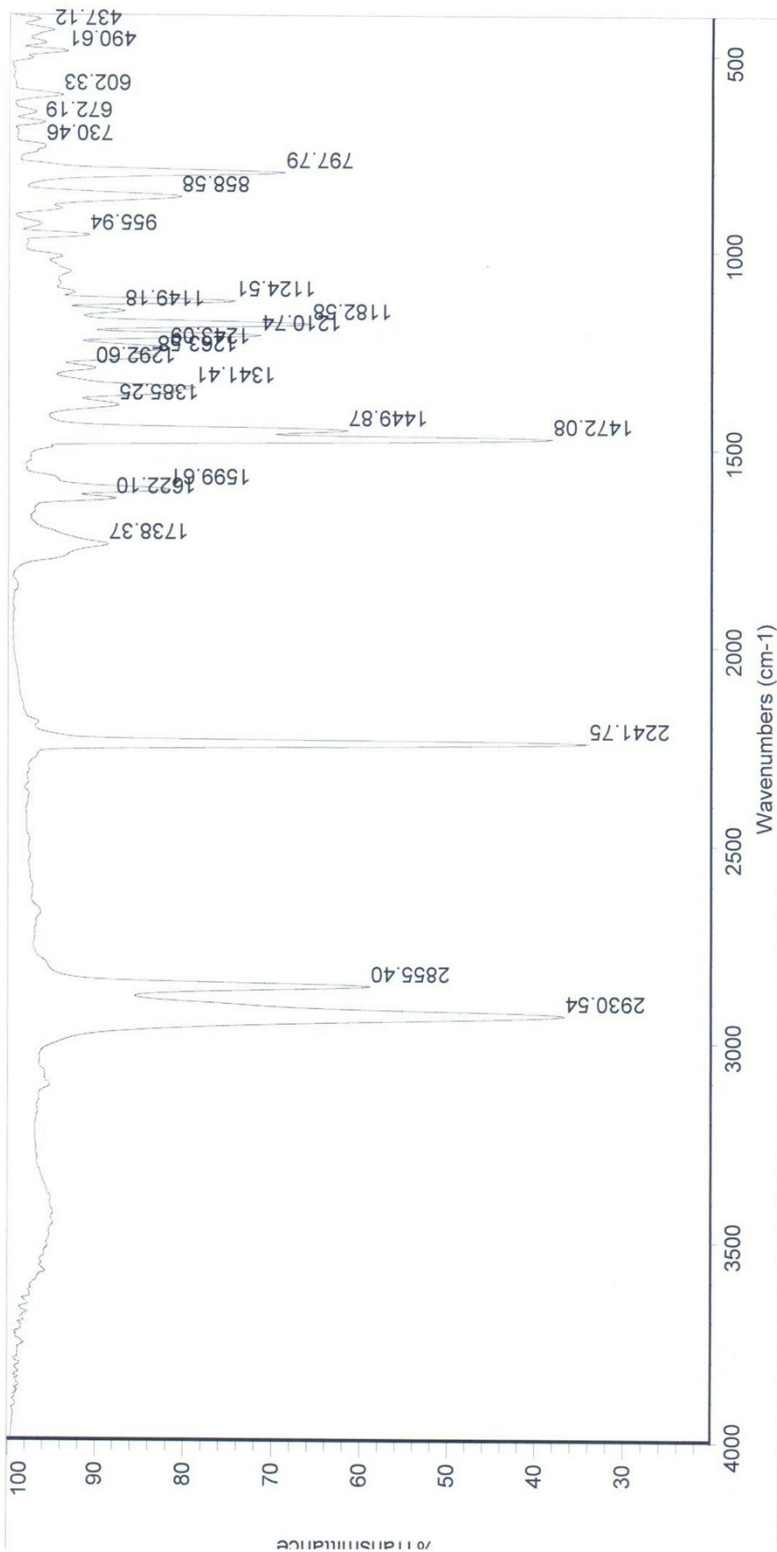
Beamsplitter: KBr

Source: IR

Analyst Name:

IR Spectrum of 4aa

Indian Institute of Chemical Technology, Hyderabad
FT-IR Analysis Report



IR Spectrum of 4ae

Sample Name: RT-FCYH [NEAT]

Sample Preparation:

Collection time: Mon Mar 06 12:15:55 2017 (GMT+05:30)

Bench: Thermo Nicolet Nexus 670 Spectrometer

Resolution: 4cm⁻¹

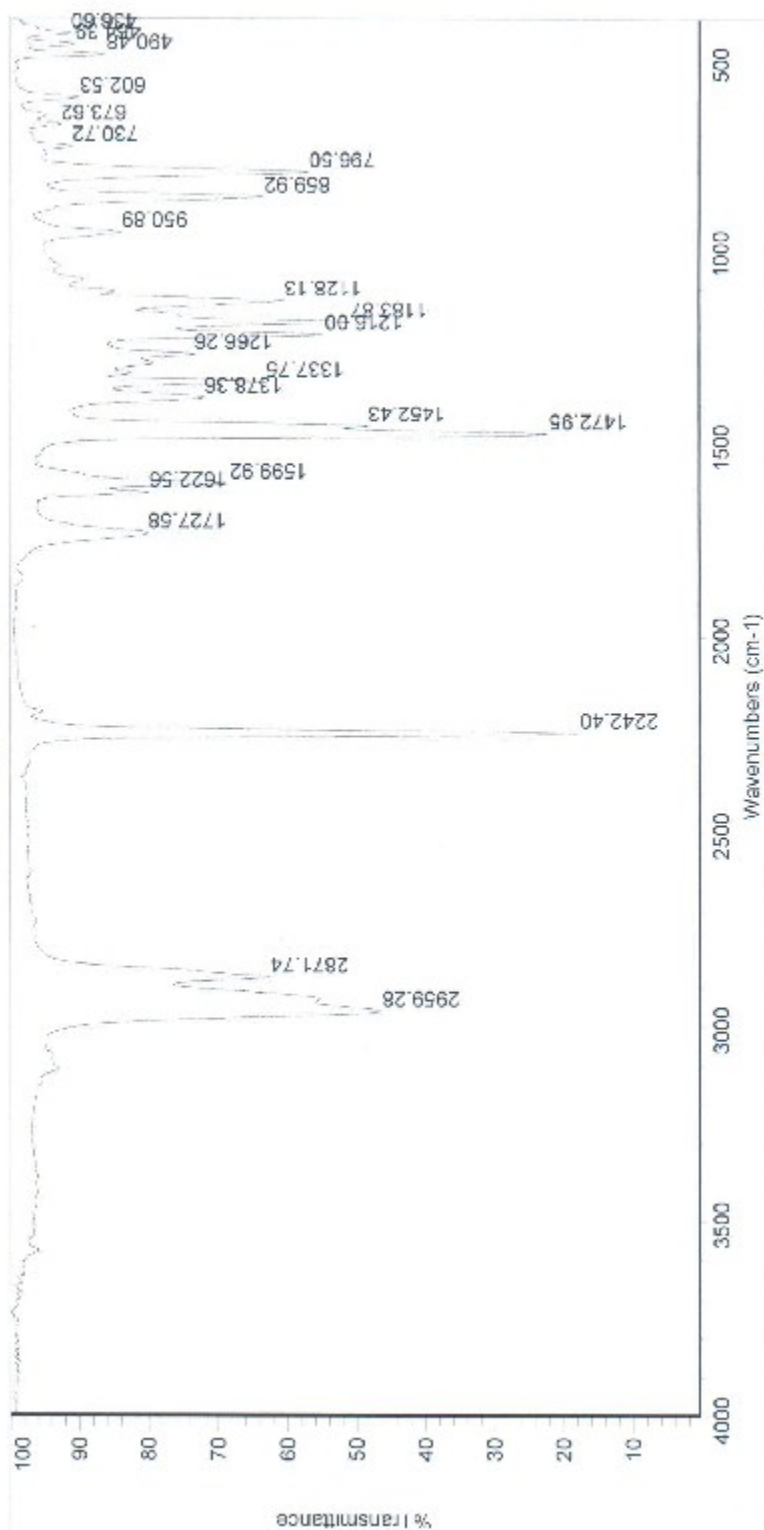
Detector: DTGS KB

Beamsplitter: KBr

Source: IR

Analyst Name:

Indian Institute of Chemical Technology, Hyderabad
FT-IR Analysis Report



Sample Name: PRL-FCP [NEAT]

Sample Preparation:

Collection time: Tue Mar 07 15:58:42 2017 (GMT+05:30)

Bench: Thermo Nicolet Nexus 670 Spectrometer

Resolution: 4cm-1

Detector: DTGS KB

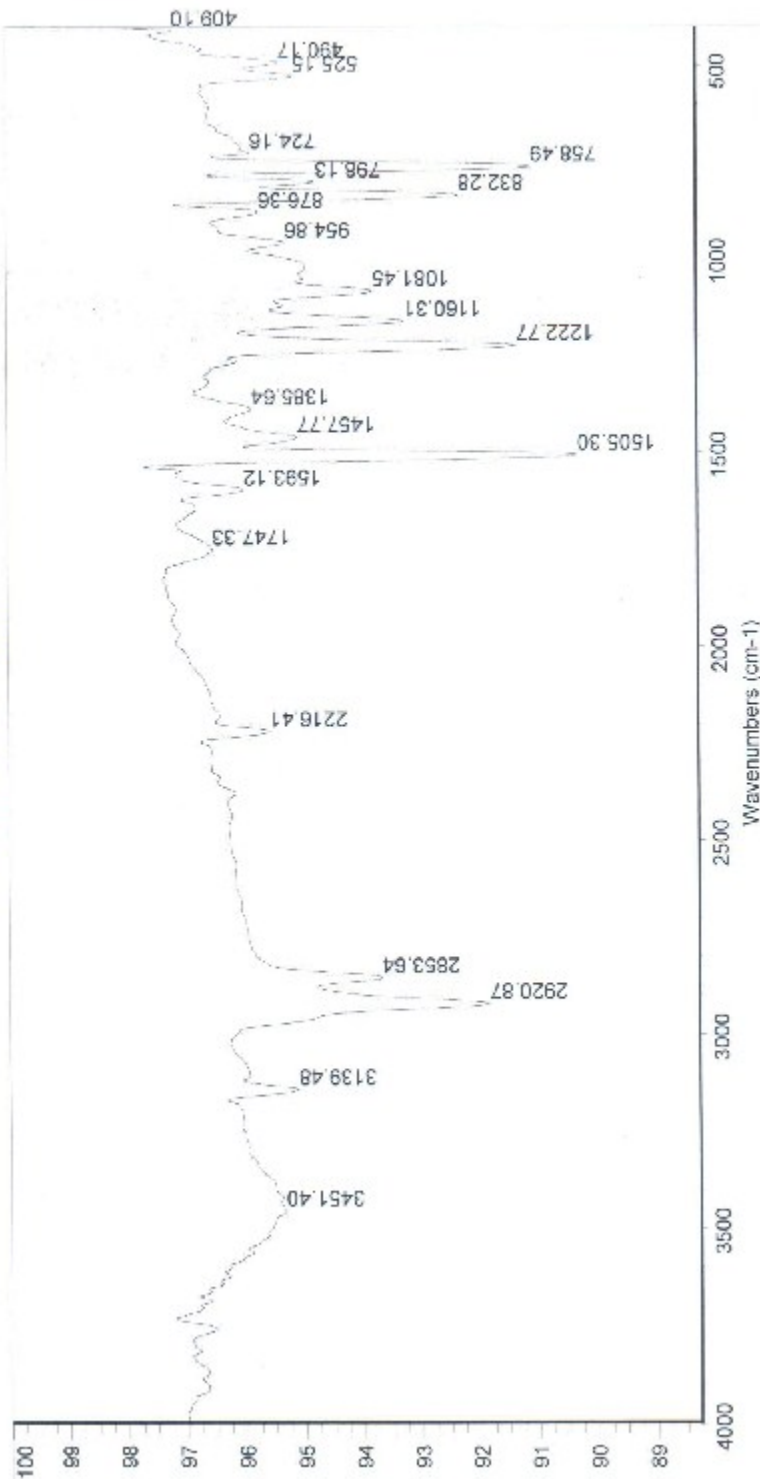
Beamsplitter: KBr

Source: IR

Analyst Name:

R Spectrum of 4af

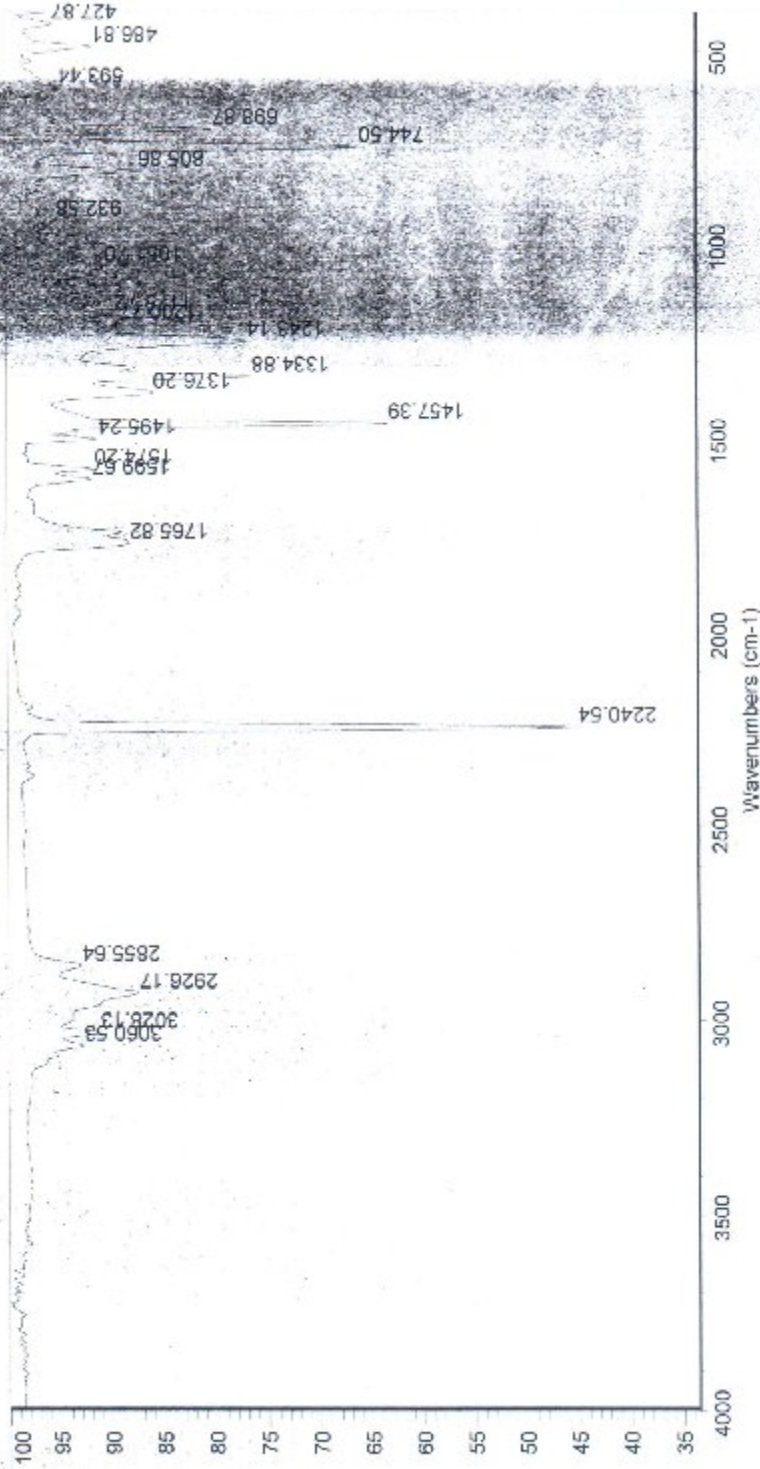
Indian Institute of Chemical Technology, Hyderabad
FT-IR Analysis Report



Sample Name: RT-FPH [NEAT]
Sample Preparation:
Collection time: Thu Mar 02 15:07:52 2017 (GMT+05:30)
Bench: Thermo Nicolet Nexus 670 Spectrometer
Resolution: 4cm-1
Detector: DTGS-KB
Beamsplitter: KBr
Source: IR
Analyst Name:

R Spectrum of 4ah

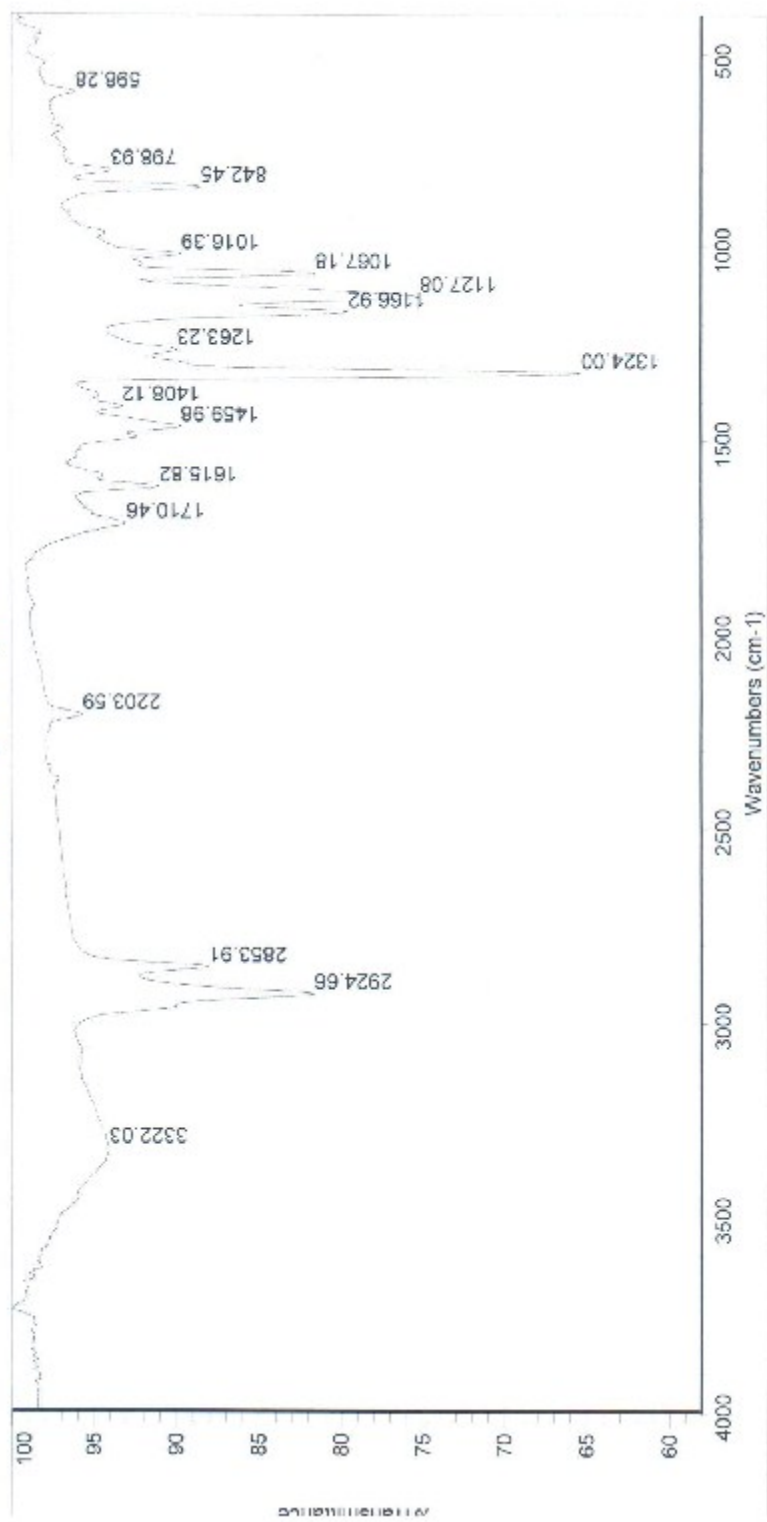
Indian Institute of Chemical Technology, Hyderabad
FT-IR Analysis Report



Sample Name: RT-FBTP (NEAT)
Sample Preparation:
Collection time: Fri Mar 03 14:51:10 2017 (GMT+05:30)
Bench: Thermo Nicolet Nexus 670 Spectrometer
Resolution: 4cm⁻¹
Detector: DTGS KB
Beamsplitter: KBr
Source: IR
Analyst Name:

R Spectrum of 4aj

Indian Institute of Chemical Technology, Hyderabad
FT-IR Analysis Report



Sample Name: RT-FCF [NEAT]

Sample Preparation:

Collection time: Tue Mar 07 16:04:38 2017 (GMT+05:30)

Bench: Thermo Nicolet Nexus 670 Spectrometer

Resolution: 4cm-1

Detector: DTGS KB

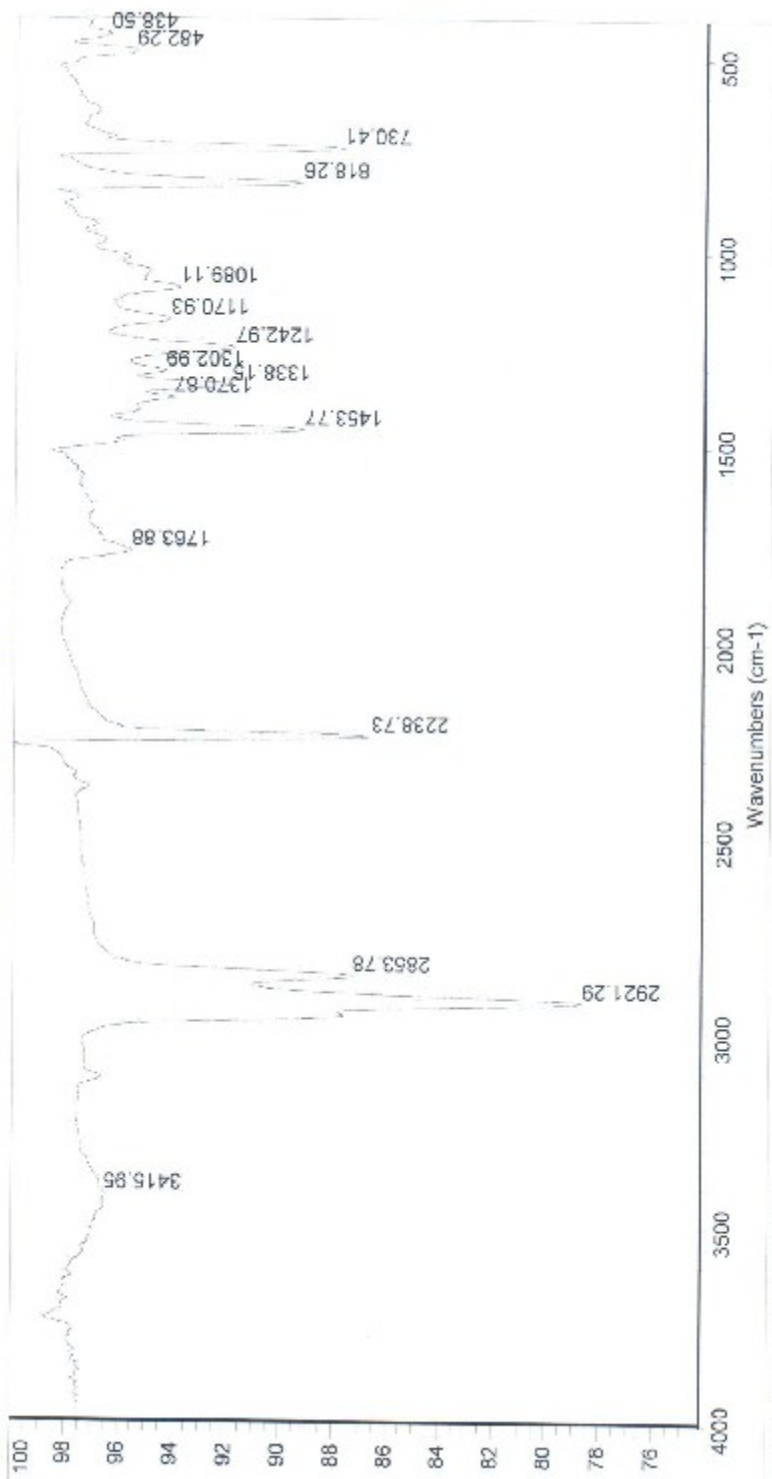
Beam splitter: KBr

Source: IR

Analyst Name:

R Spectrum of 4al

Indian Institute of Chemical Technology, Hyderabad
FT-IR Analysis Report



Sample Name: PRL-FCL [NEAT]

Sample Preparation:

Collection time: Thu Mar 02 11:29:32 2017 (GMT +05:30)

Batch: Thermo Nicolet Nexus 670 Spectrometer

Resolution: 4cm⁻¹

Detector: DTGS KB

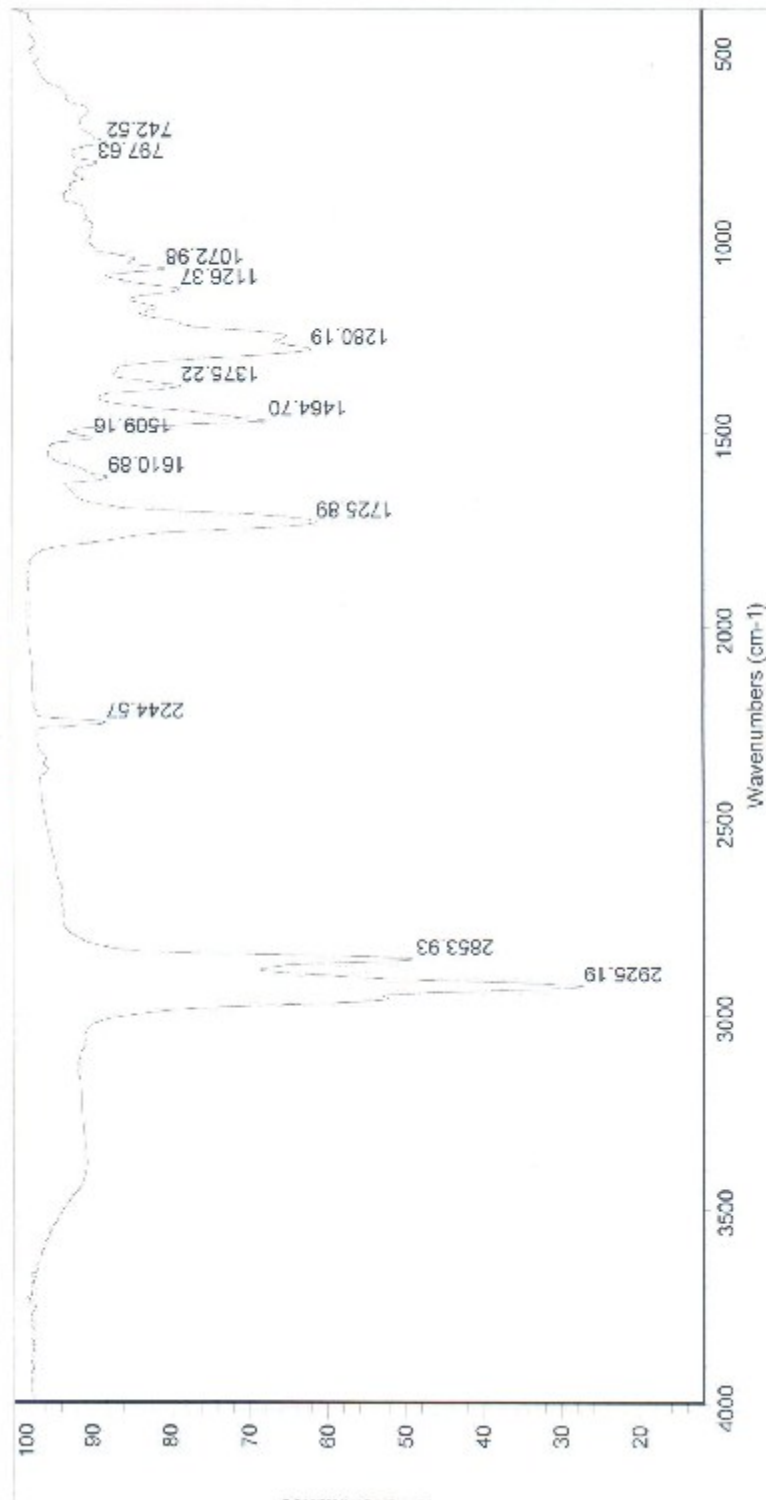
Beamsplitter: KBr

Source: IR

Analyst Name:

R Spectrum of 4am

Indian Institute of Chemical Technology, Hyderabad
FT-IR Analysis Report



Sample Name: RT-FPOH [NEAT]

Sample Preparation:

Collection time: Fri Mar 03 15:01:21 2017 (GMT+05:30)

Bench: Thermo Nicolet Nexus 670 Spectrometer

Resolution: 4cm⁻¹

Detector: DTGS KB

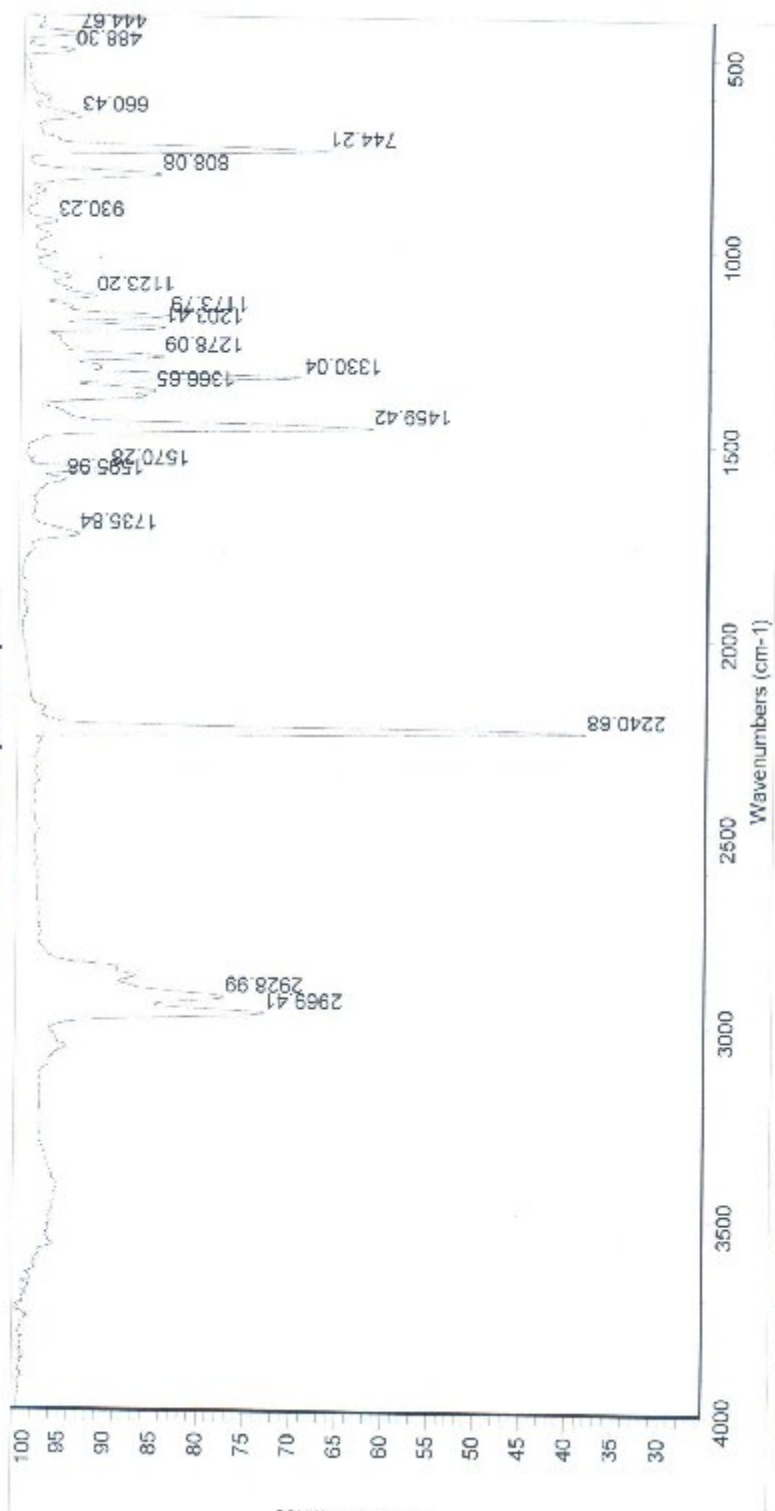
Beamsplitter: KBr

Source: IR

Analyst Name:

R Spectrum of 4ao

Indian Institute of Chemical Technology, Hyderabad
FT-IR Analysis Report



Sample Name: PRL-FSEC [NEAT]

Sample Preparation:

Collection time: Mon Mar 06 11:48:06 2017 (GMT+05:30)

Bench: Thermo Nicolet Nexus 670 Spectrometer

Resolution: 4cm⁻¹

Detector: DTGS-KB

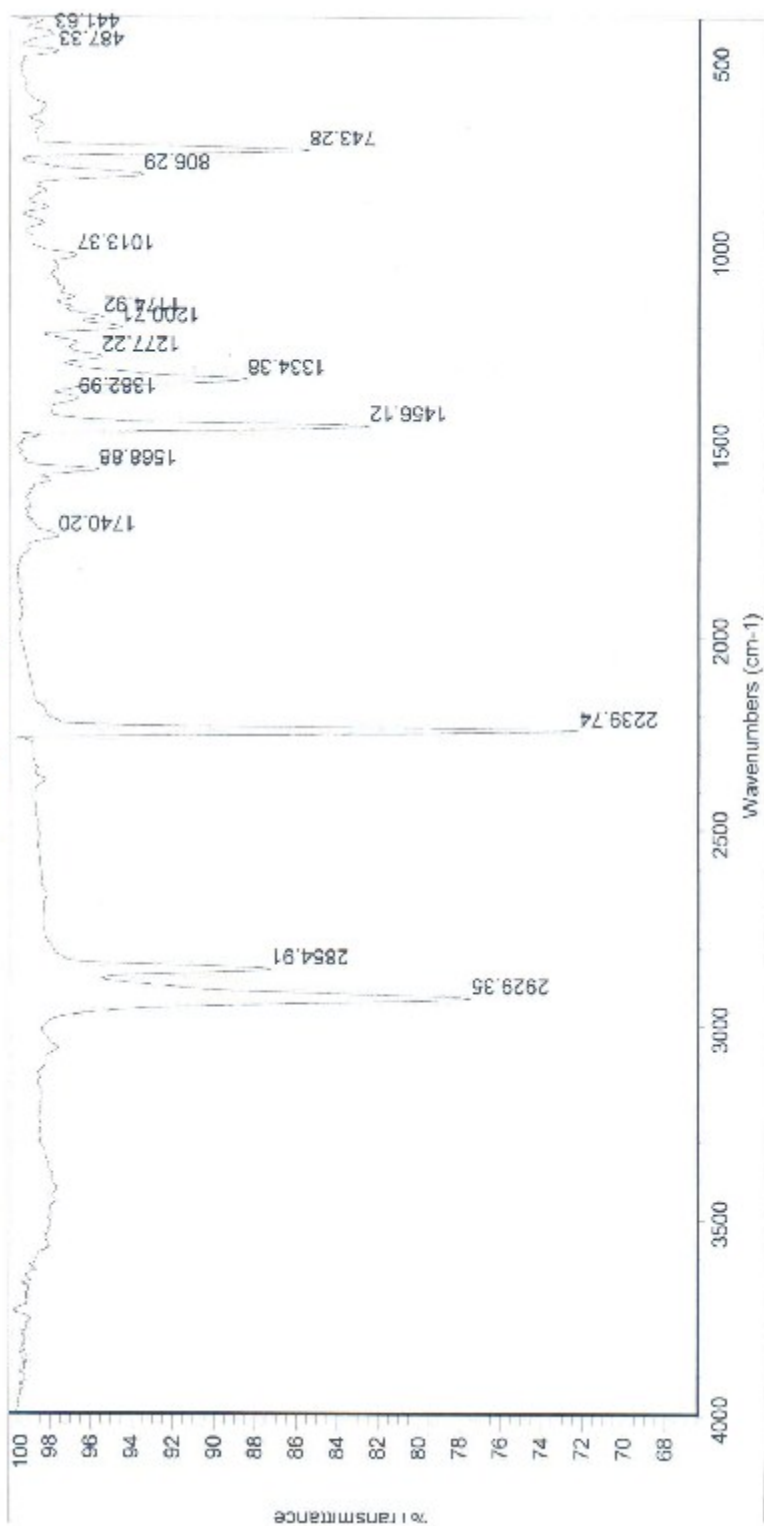
Beamsplitter: KBr

Source: IR

Analyst Name:

R Spectrum of 4ap

Indian Institute of Chemical Technology, Hyderabad
FT-IR Analysis Report



Sample Name: RT-CYH [NEAT]

Sample Preparation:

Collection Time: Tue Mar 07 15:45:24 2017 (GMT+05:30)

Bech: Thermo Nicolet Nexus 670 Spectrometer

Resolution: 4cm-1

Detector: DTGS KB

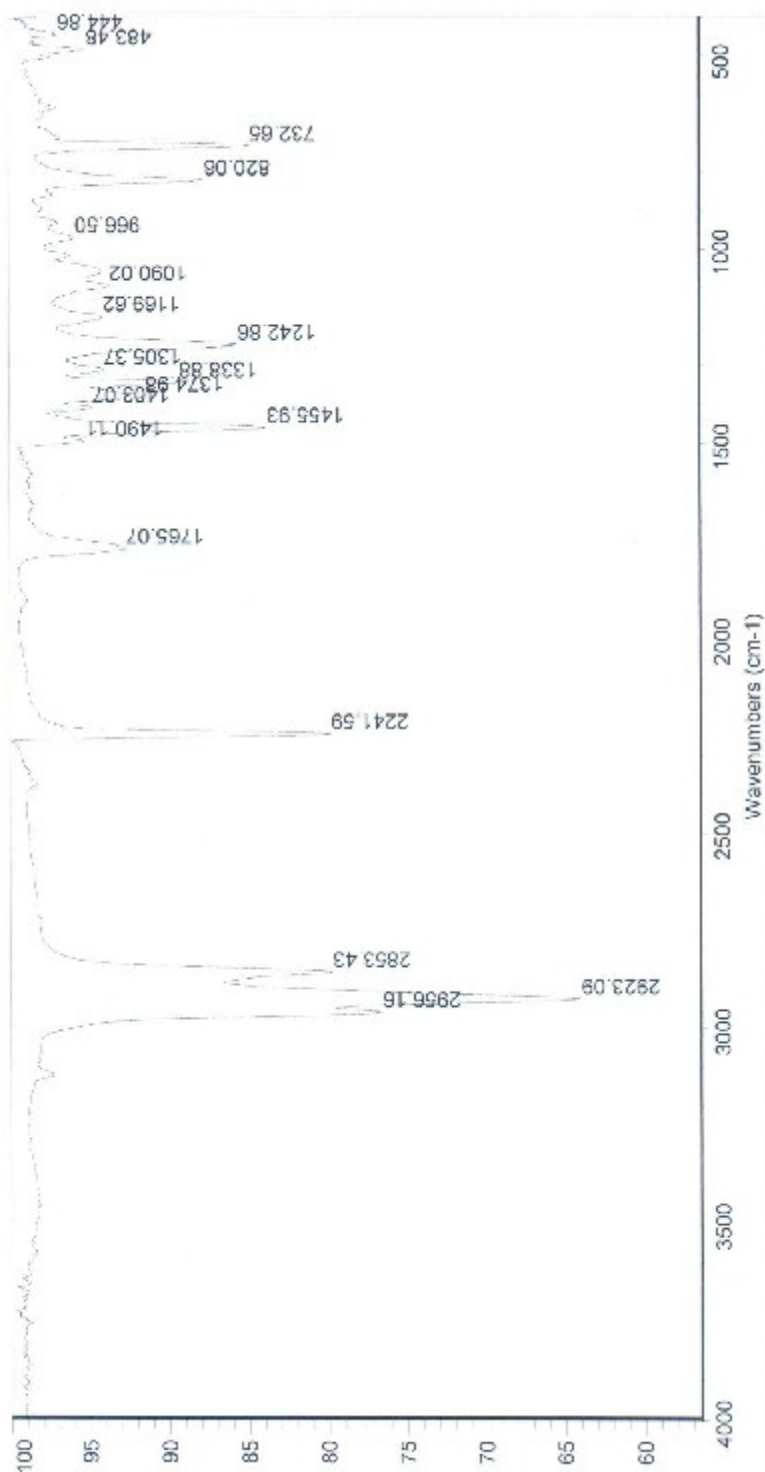
Beamsplitter: KBr

Source: IR

Analyst Name:

R Spectrum of 4be

Indian Institute of Chemical Technology, Hyderabad
FT-IR Analysis Report



Sample Name: RT-CLP [NEAT]

Sample Preparation:

Collection time: Fri Mar 03 14:47:54 2017 (GMT+05:30)

Bench: Thermo Nicolet Nexus 670 Spectrometer

Resolution: 4cm-1

Detector: DTGS KB

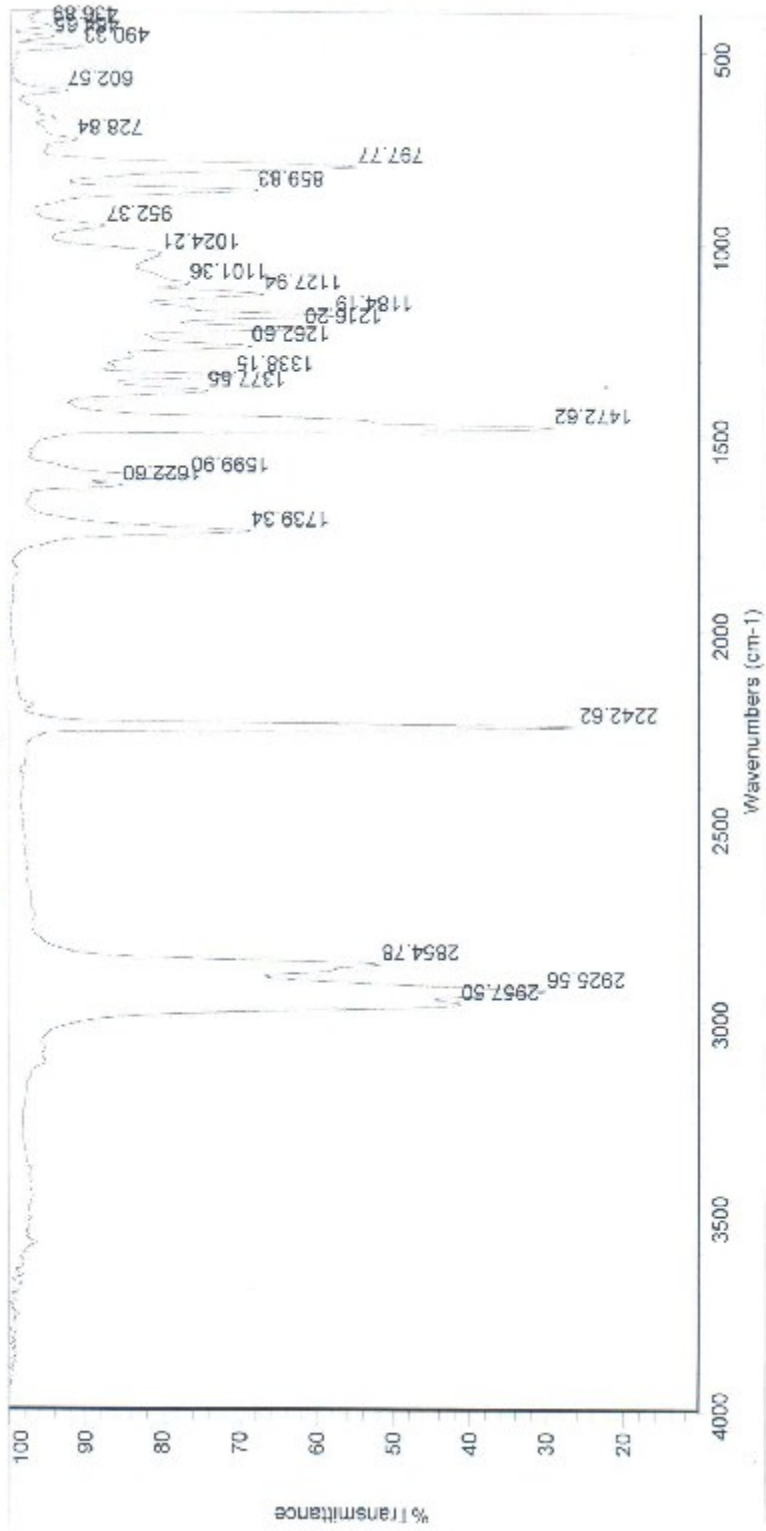
Beamsplitter: KBr

Source: IR

Analyst Name:

R Spectrum of 4bf

Indian Institute of Chemical Technology, Hyderabad
FT-IR Analysis Report



Sample Name: PRL-CPT [NEAT]

Sample Preparation

Collection time: Tue Mar 07 15:48:41 2017 (GMT+05:30)

Bench: Thermo Nicolet Nexus 670 Spectrometer

Resolution: 4/cm-1

Detector: DTGS KB

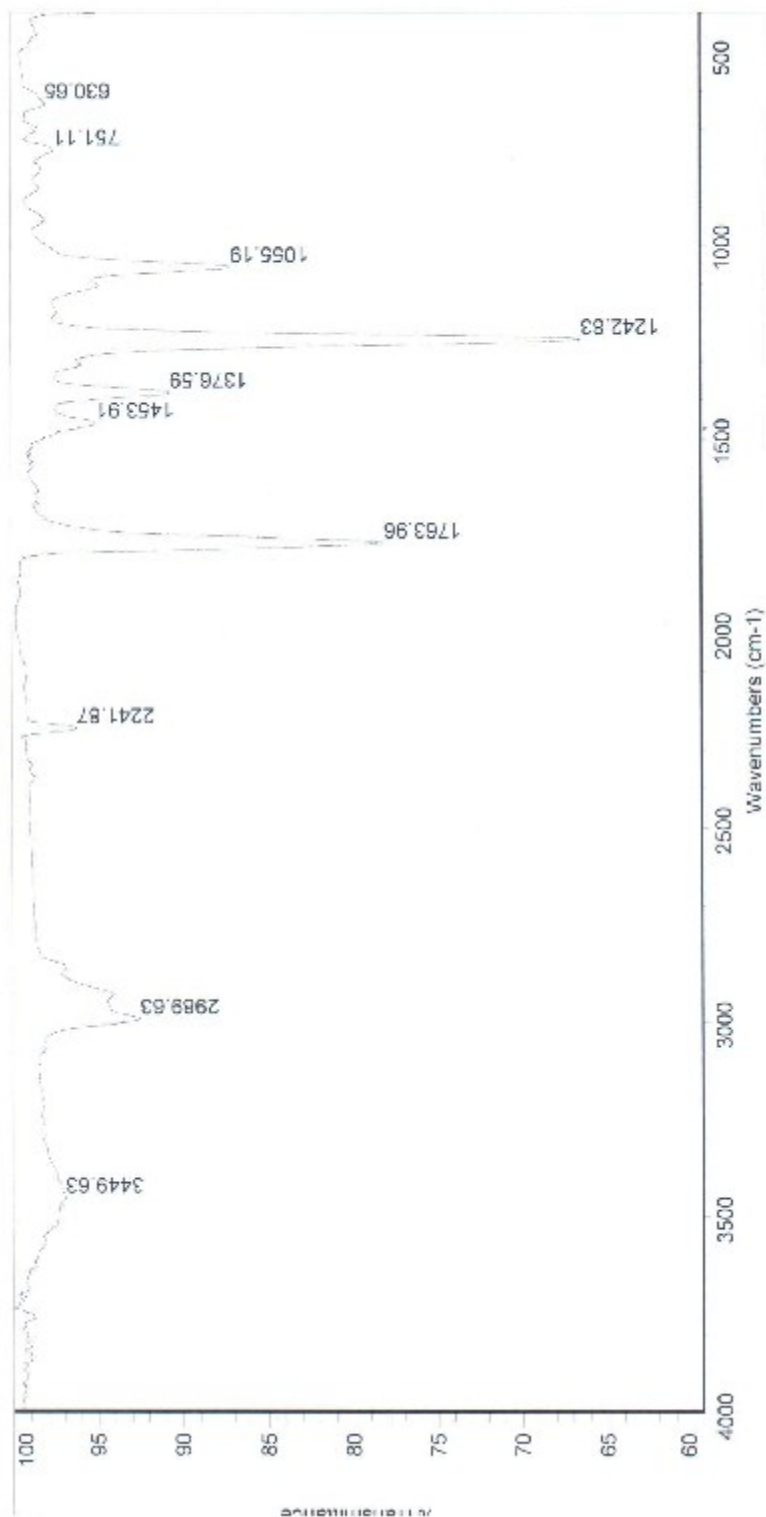
Beam splitter: KB

Source: IR

Analyst Name:

R Spectrum of 4bg

Indian Institute of Chemical Technology, Hyderabad
FT-IR Analysis Report



Sample Name: RT-PHTT (NEAT)

Sample Preparation:

Collection time: Thu Mar 02 16:10:45 2017 (GMT+05:30)

Bench: Thermo Nicolet Nexus 670 Spectrometer

Resolution: 4cm⁻¹

Detector: DTGS K8

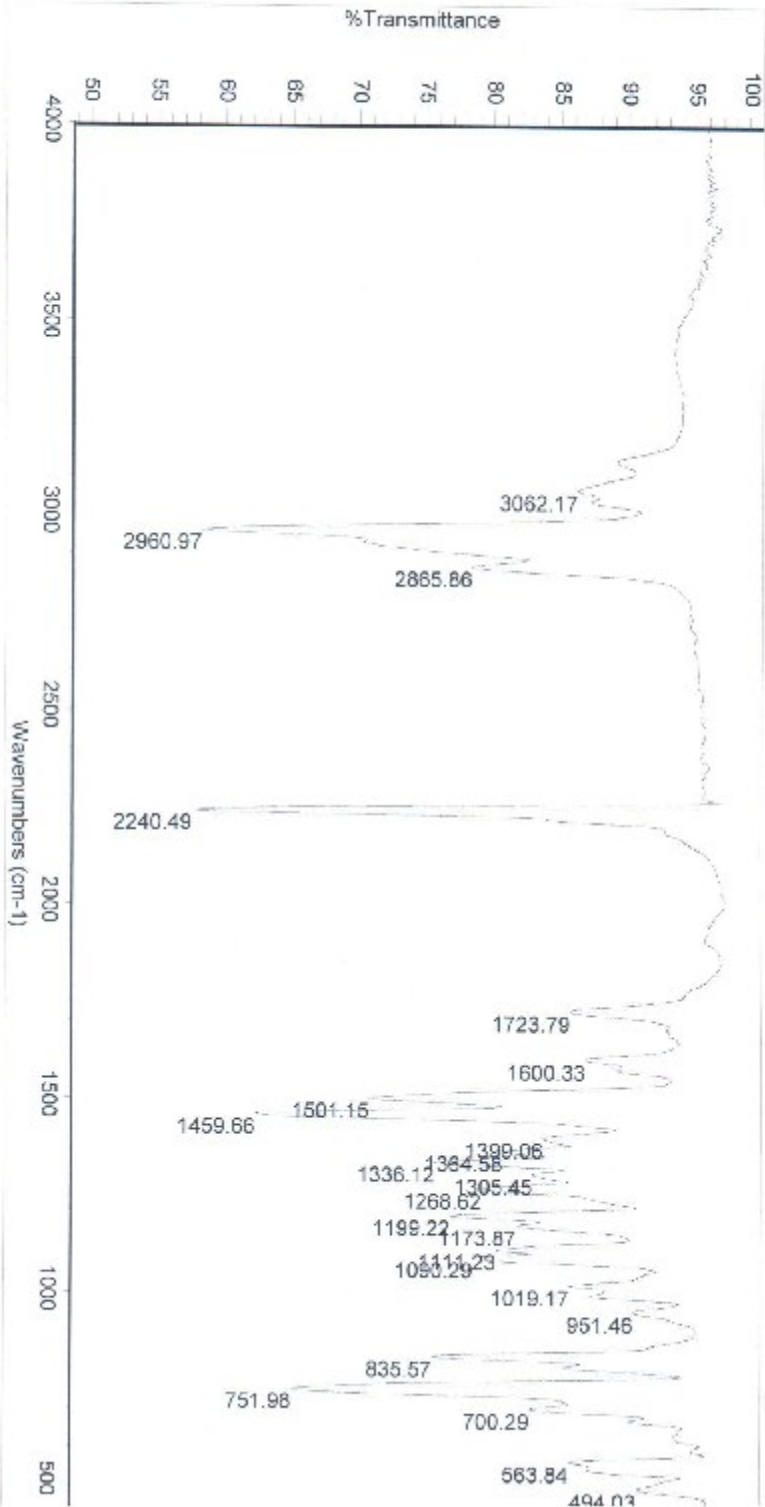
Beamsplitter: KBr

Source: IR

Analyst Name:

R Spectrum of 4bh

Indian Institute of Chemical Technology, Hyderabad
FT-IR Analysis Report

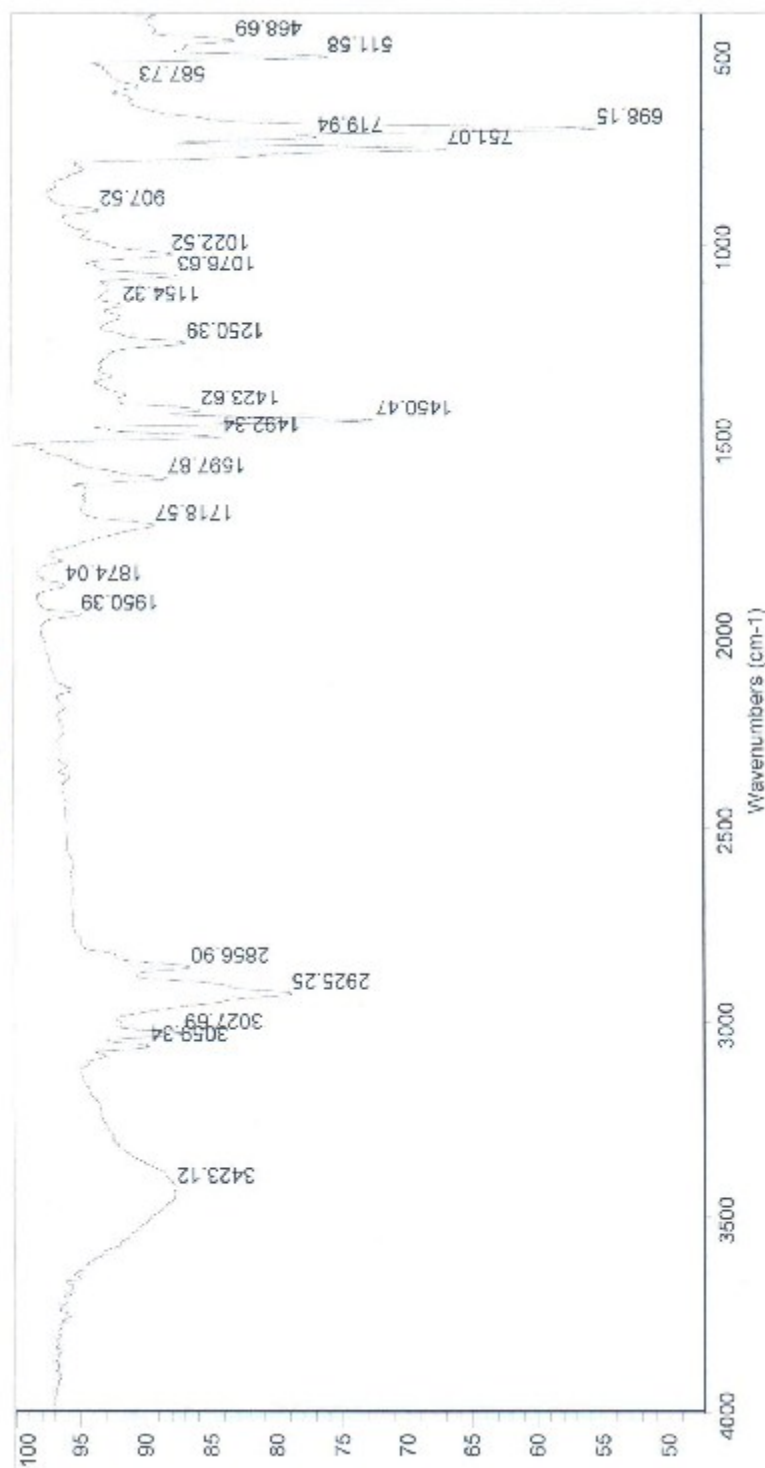


Sample Name: RT-TBP [NEAT]
Sample Preparation:
Collection time: Thu Mar 02 15:18:08 2017 (GMT+05:30)
Bench: Thermo Nicolet Nexus 570 Spectrometer
Resolution: 4cm-1

Detector: DTGS KB
Beamsplitter: KBr
Source: IR
Analyst Name:

R Spectrum of 4bi

Indian Institute of Chemical Technology, Hyderabad
FT-IR Analysis Report



Sample Name: RT-BTP [KBr]

Sample Preparation:

Collection time: Fri Mar 03 12:47:42 2017 (GMT+05:30)

Bench: Thermo Nicolet Nexus 670 Spectrometer

Resolution: 4cm-1

Detector: DTGS KB

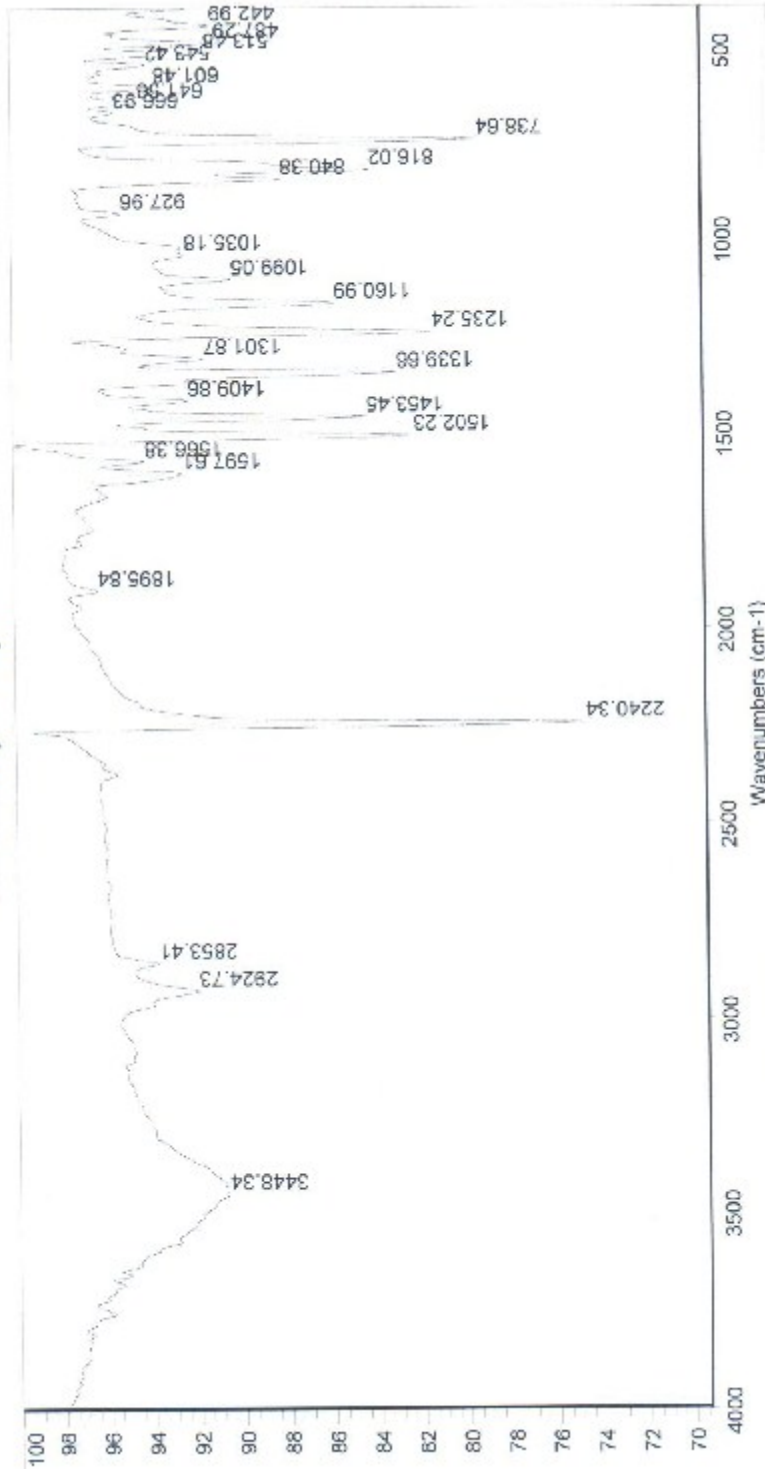
Beamsplitter: KBr

Source: IR

Analyst Name:

R Spectrum of 4bj

Indian Institute of Chemical Technology, Hyderabad
 FT-IR Analysis Report



Sample Name: PRL-IFT [KBr]

Sample Preparation:

Collection time: Thu Mar 02 13:15:34 2017 (GMT+05:30)

Bench: Thermo Nicolet Nexus 670 Spectrometer

Resolution: 4cm⁻¹

Detector: DTGS KB

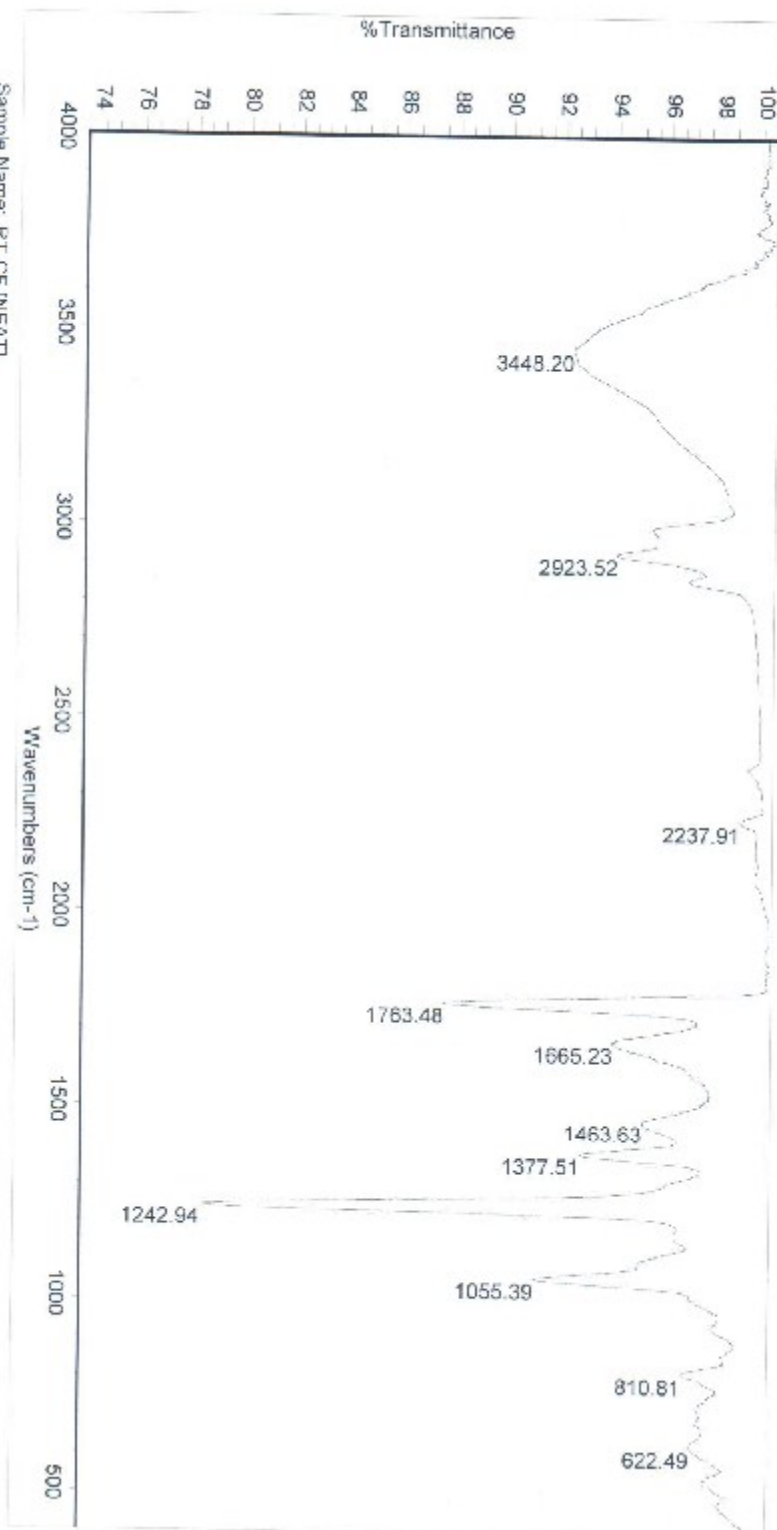
Beamsplitter: KBr

Source: IR

Analyst Name:

R Spectrum of 4bk

Indian Institute of Chemical Technology, Hyderabad
FT-IR Analysis Report

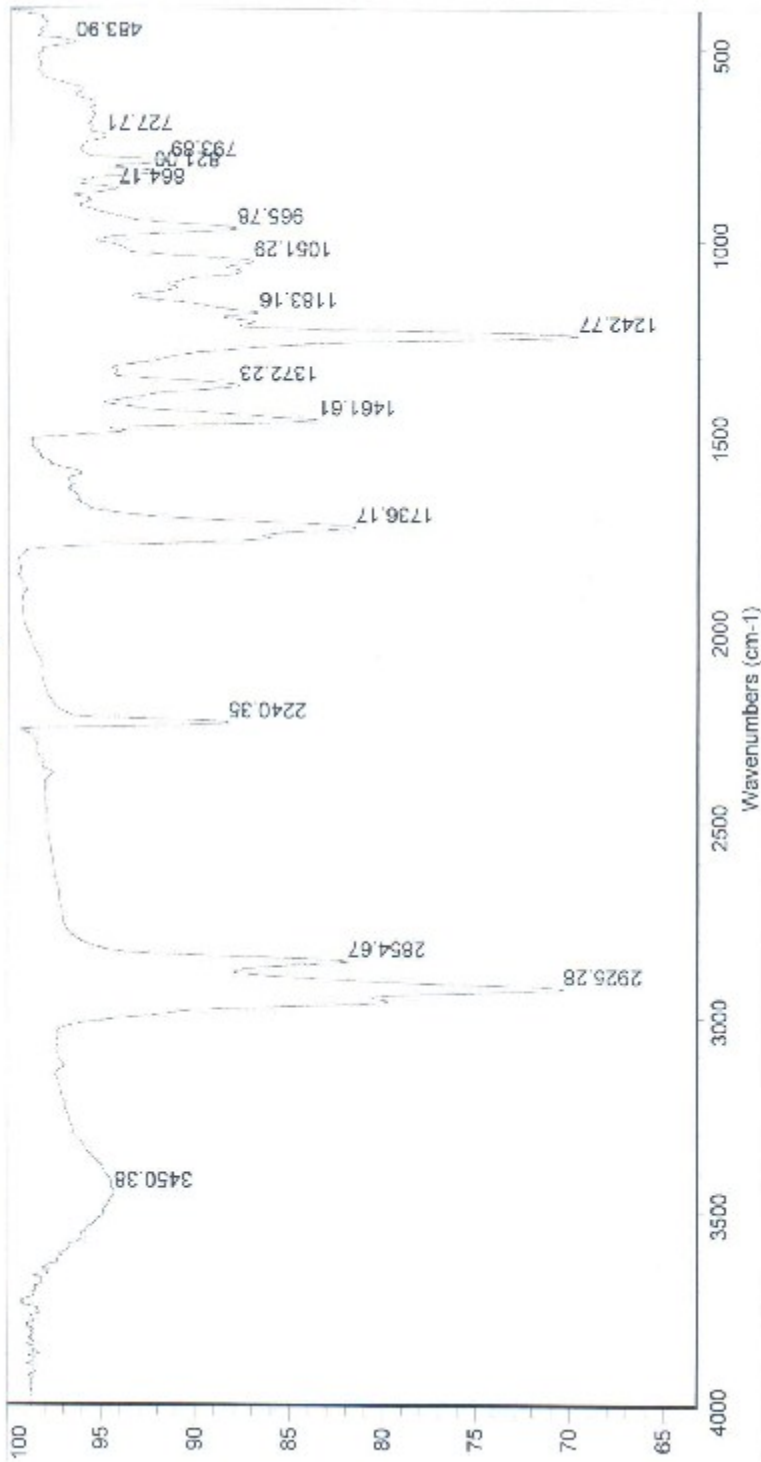


Sample Name: RT-CF [NEAT]
Sample Preparation:
Collection time: Mon Mar 06 12:03:21 2017 (GMT+05:30)
Bench: Thermo Nicolet Nexus 670 Spectrometer
Resolution: 4cm-1

Detector: DTGS,KB
Beamsplitter: KBr
Source: IR
Analyst Name:

R Spectrum of 4bl

Indian Institute of Chemical Technology, Hyderabad
FT-IR Analysis Report



Sample Name: RT-CLTD [NEAT]

Sample Preparation:

Collection time: Mon Mar 08 12:08:40 2017 (GMT+05:30)

Bench: Thermo Nicolet Nexus 670 Spectrometer

Resolution: 4cm-1

Detector: DTGS KB

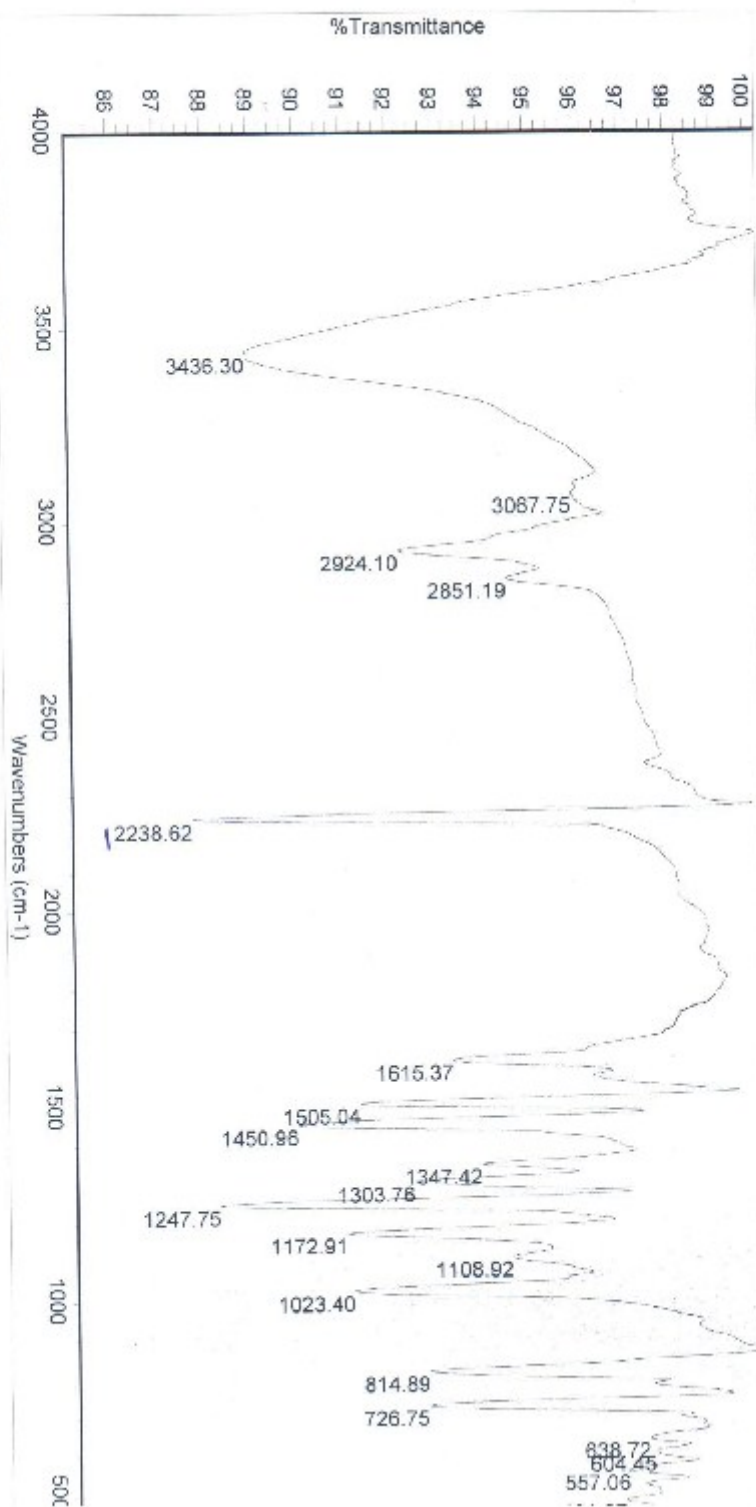
Beamsplitter: KB

Source: IR

Analyst Name:

R Spectrum of 4bm

Indian Institute of Chemical Technology, Hyderabad
FT-IR Analysis Report

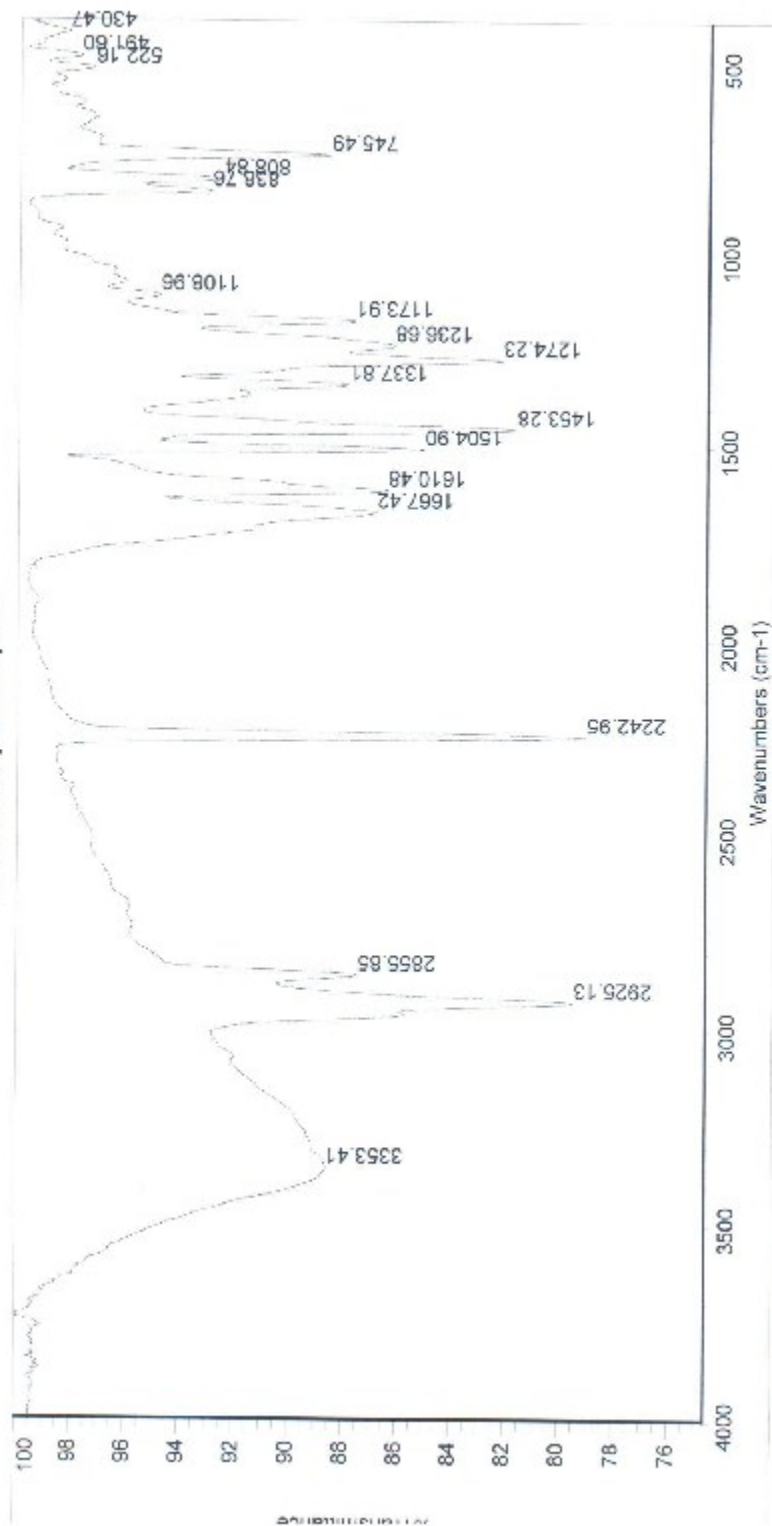


Sample Name: RT-QME [KBr]
Sample Preparation:
Collection time: Wed Mar 01 12:56:35 2017 (GMT+05:30)
Barich: Thermo Nicolet Nexus 670 Spectrometer
Resolution: 4cm-1

Detector: DTGS KB
Beamsplitter: KBr
Source: IR
Analyst Name:

IR Spectrum of 4bn

Indian Institute of Chemical Technology, Hyderabad
FT-IR Analysis Report



Sample Name: PRL-POH (NEAT)

Sample Preparation:

Collection time: Tue Mar 07 15:55:08 2017 (GMT+05:30)

Bench: Thermo Nicolet Nexus 670 Spectrometer

Resolution: 4cm-1

Detector: DTGS KB

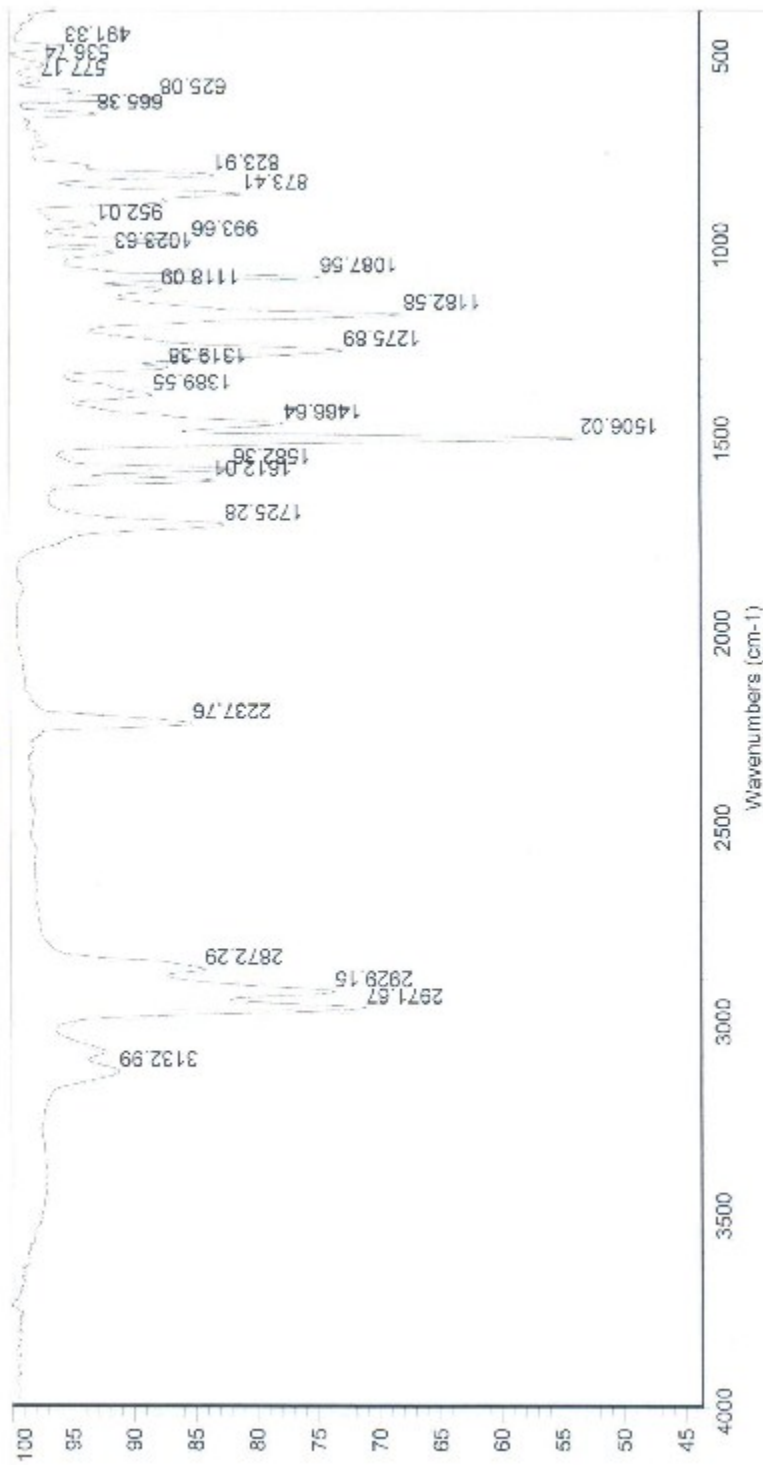
Beamsplitter: KB

Source: IR

Analyst Name:

R Spectrum of 4bo

Indian Institute of Chemical Technology, Hyderabad
FT-IR Analysis Report



Sample Name: PRL-SEC [NEAT]

Sample Preparation:

Collection time: Fri Mar 03 15:04:50 2017 (GMT+05:30)

Bench: Thermo Nicolet Nexus 670 Spectrometer

Resolution: 4cm-1

Detector: DTGS KB

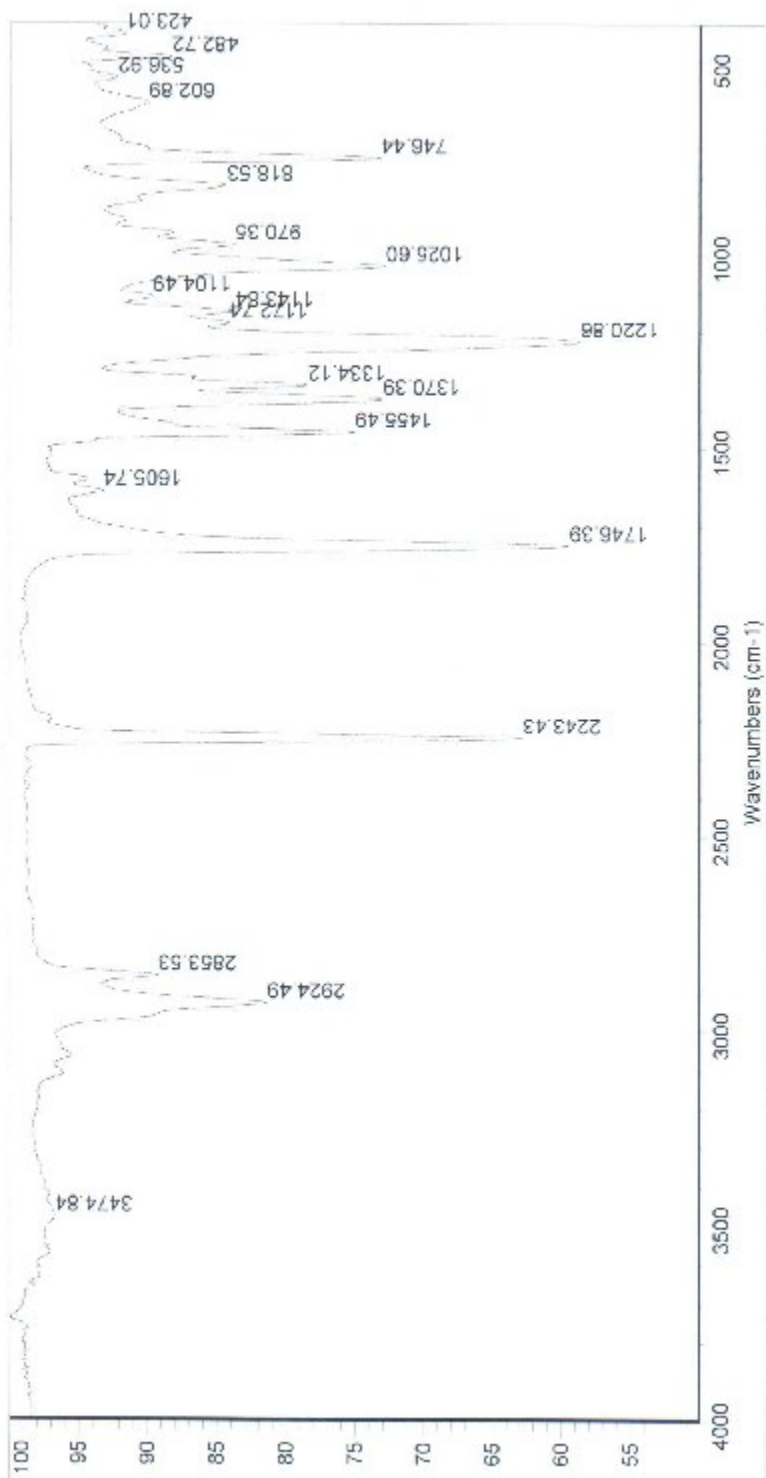
Beamsplitter: KBr

Source: IR

Analyst Name:

R Spectrum of 4bp

Indian Institute of Chemical Technology, Hyderabad
FT-IR Analysis Report



Sample Name: RT-PRE [NEAT]

Sample Preparation

Collection time: Tue Mar 07 15:42:01 2017 (GMT+05:30)

Branch: Thermo Nicolet Nexus 670 Spectrometer

Resolution: 4cm-1

Detector: DTGS KBr

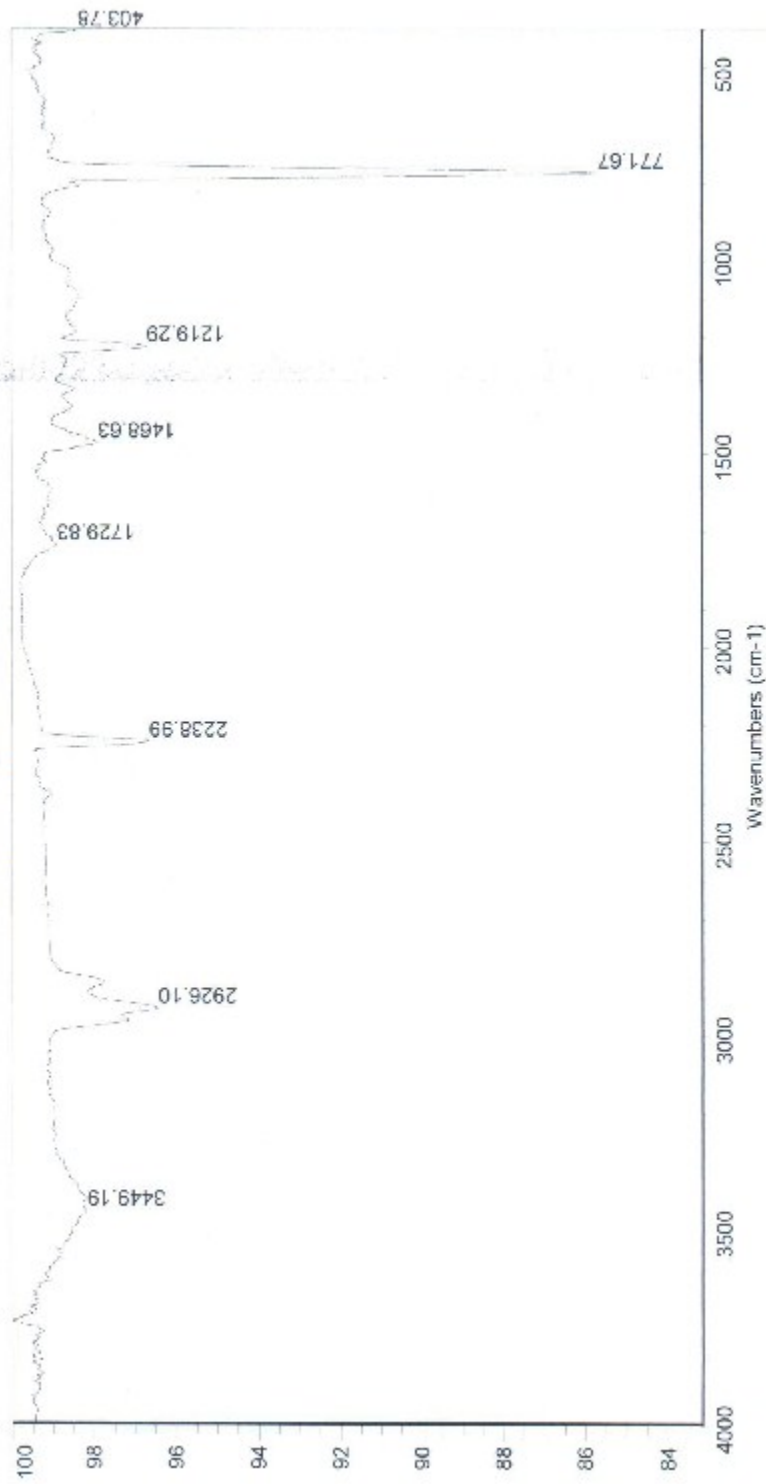
Beamsplitter: KBr

Source: IR

Analyst Name:

R Spectrum of 4bq

Indian Institute of Chemical Technology, Hyderabad
FT-IR Analysis Report



Sample Name: RT-MHP [NEAT]

Sample Preparation:

Collection time: Fri Mar 03 15:45:38 2017 (GMT+05:30)

Bench: Thermo Nicolet Nexus 670 Spectrometer

Resolution: 4cm-1

Detector: DTGS KB

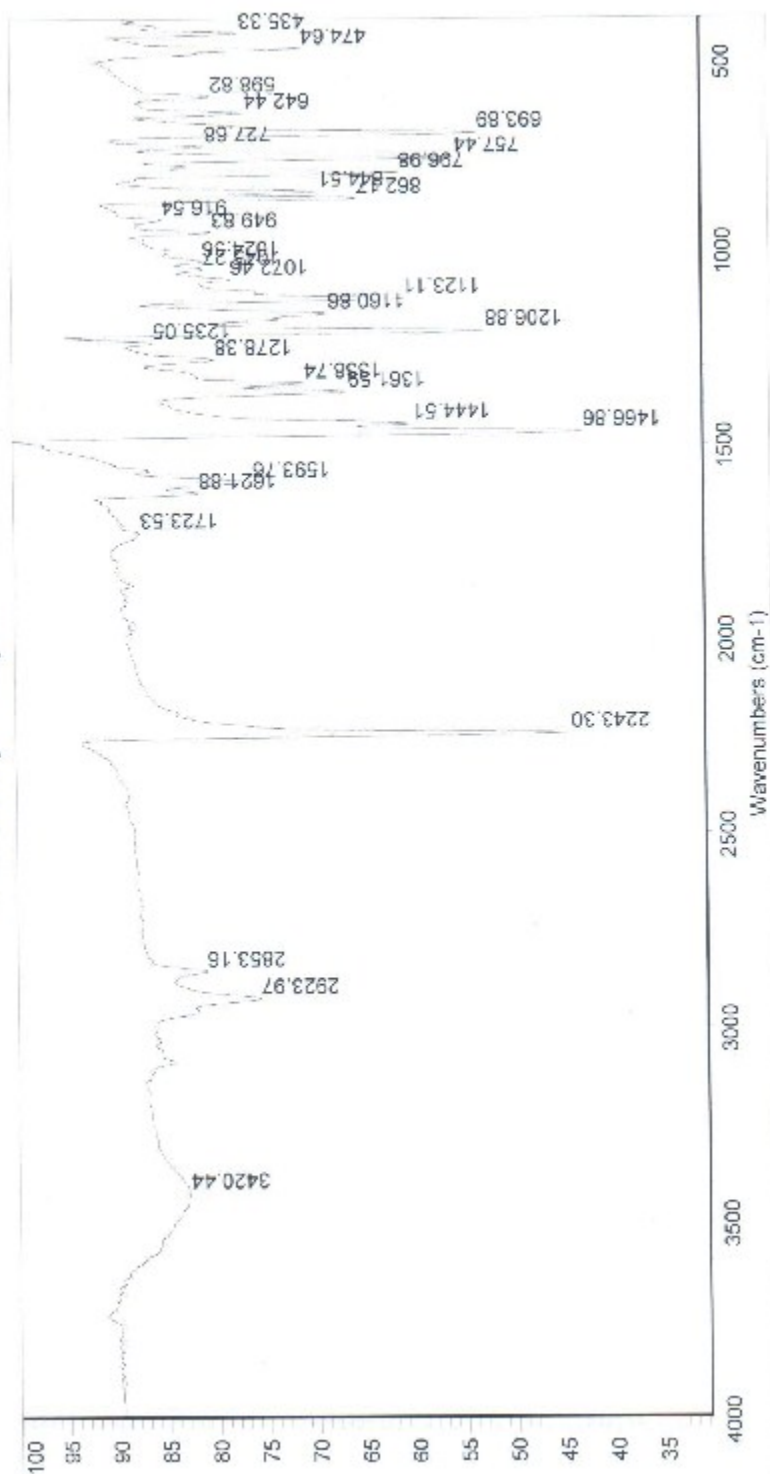
Beamsplitter: KBr

Source: IR

Analyst Name:

R Spectrum of 4cd

Indian Institute of Chemical Technology, Hyderabad
 FT-IR Analysis Report

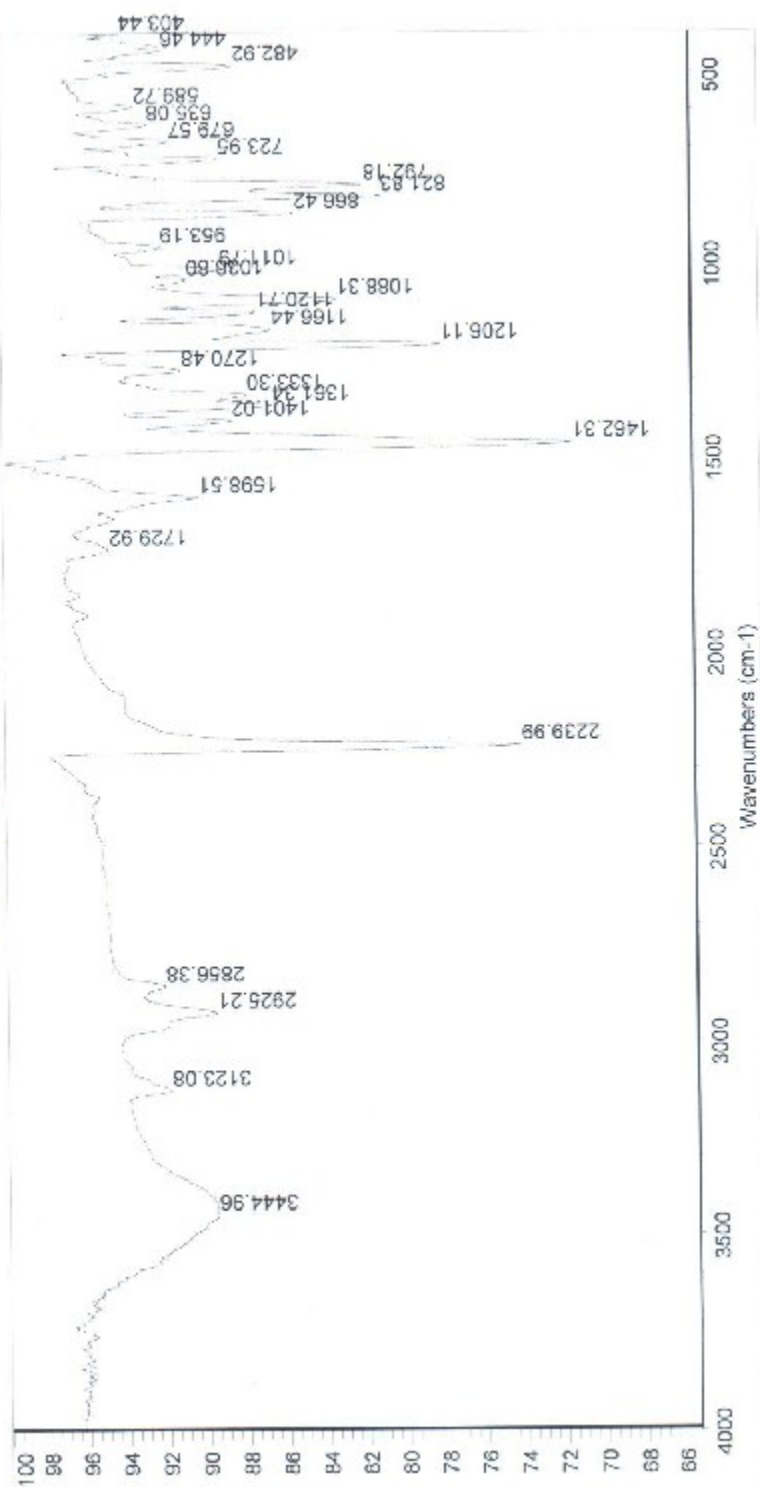


Detector: DTGS KB
 Beamsplitter: KBr
 Source: IR
 Analyst Name:

Sample Name: RT-MPH [KB]
 Sample Preparation:
 Collection time: Thu Mar 02 13:13 05 2017 (GMT+05:30)
 Bench: Thermo Nicolet Nexus 670 Spectrometer
 Resolution: 4cm-1

R Spectrum of 4ch

Indian Institute of Chemical Technology, Hyderabad
FT-IR Analysis Report



Sample Name: R1-MCL [KBr]

Sample Preparation:

Collection time: Thu Mar 02 13:03:37 2017 (GMT+05:30)

Bench: Thermo Nicolet Nexus 670 Spectrometer

Resolution: 4cm⁻¹

Detector: DTGS KB

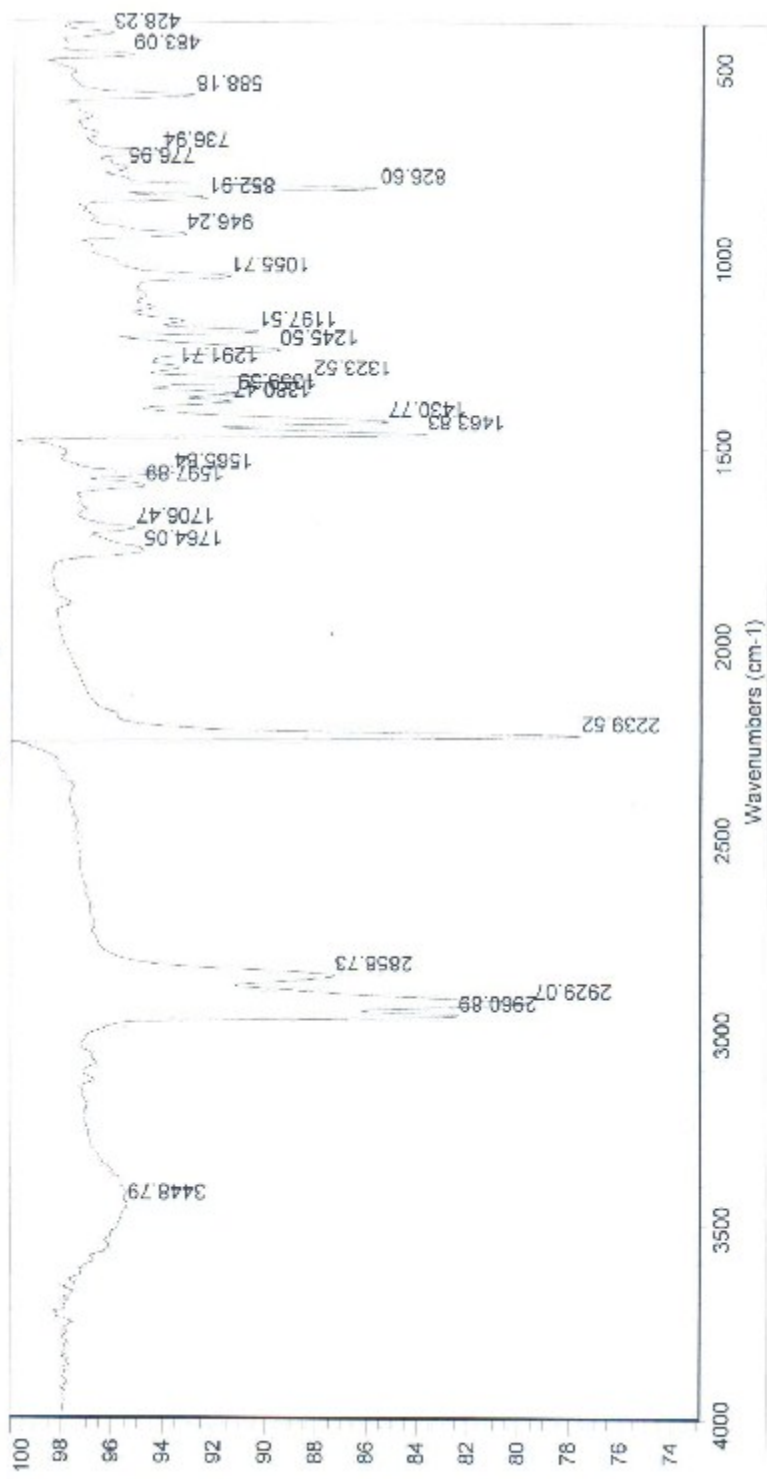
Beamsplitter: KBr

Source: IR

Analyst Name:

R Spectrum of 4cl

Indian Institute of Chemical Technology, Hyderabad
 FT-IR Analysis Report



Sample Name: RI-CL-HX [NEAT]

Sample Preparation:

Collection time: Mon Mar 08 12:12:05 2017 (GMT+05:30)

Bench: Thermo Nicolet Nexus 870 Spectrometer

Resolution: 4cm-1

Detector: DTGS KB

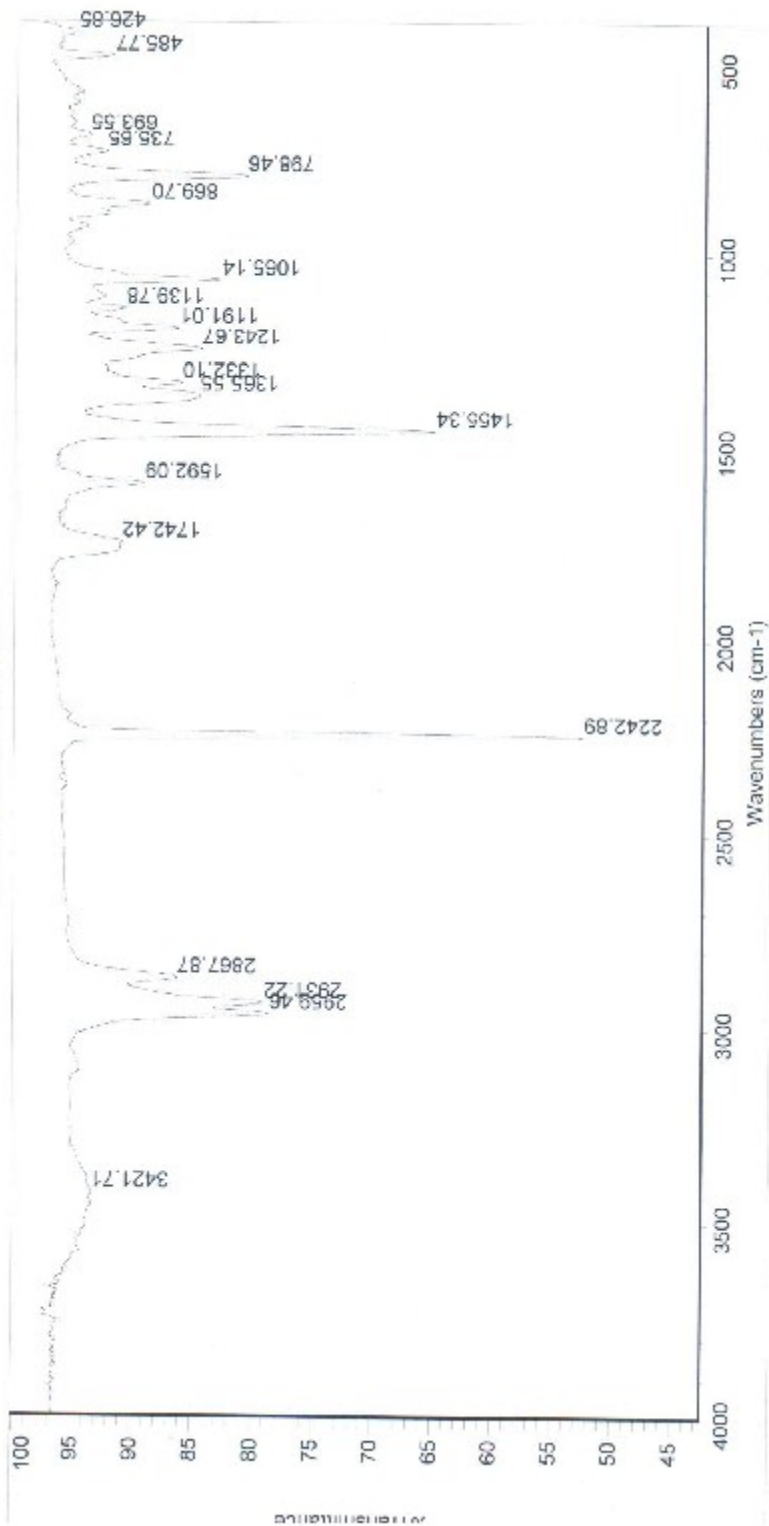
Beamsplitter: KBr

Source: IR

Analyst Name:

R Spectrum of 4da

Indian Institute of Chemical Technology, Hyderabad
FT-IR Analysis Report



Sample Name: RT-4CLHEX [KBr]

Sample Preparation:

Collection time: Tue Mar 14 15:14:07 2017 (GMT+05:30)

Bench: Thermo Nicolet Nexus 670 Spectrometer

Resolution: 4cm-1

Detector: DTGS KB

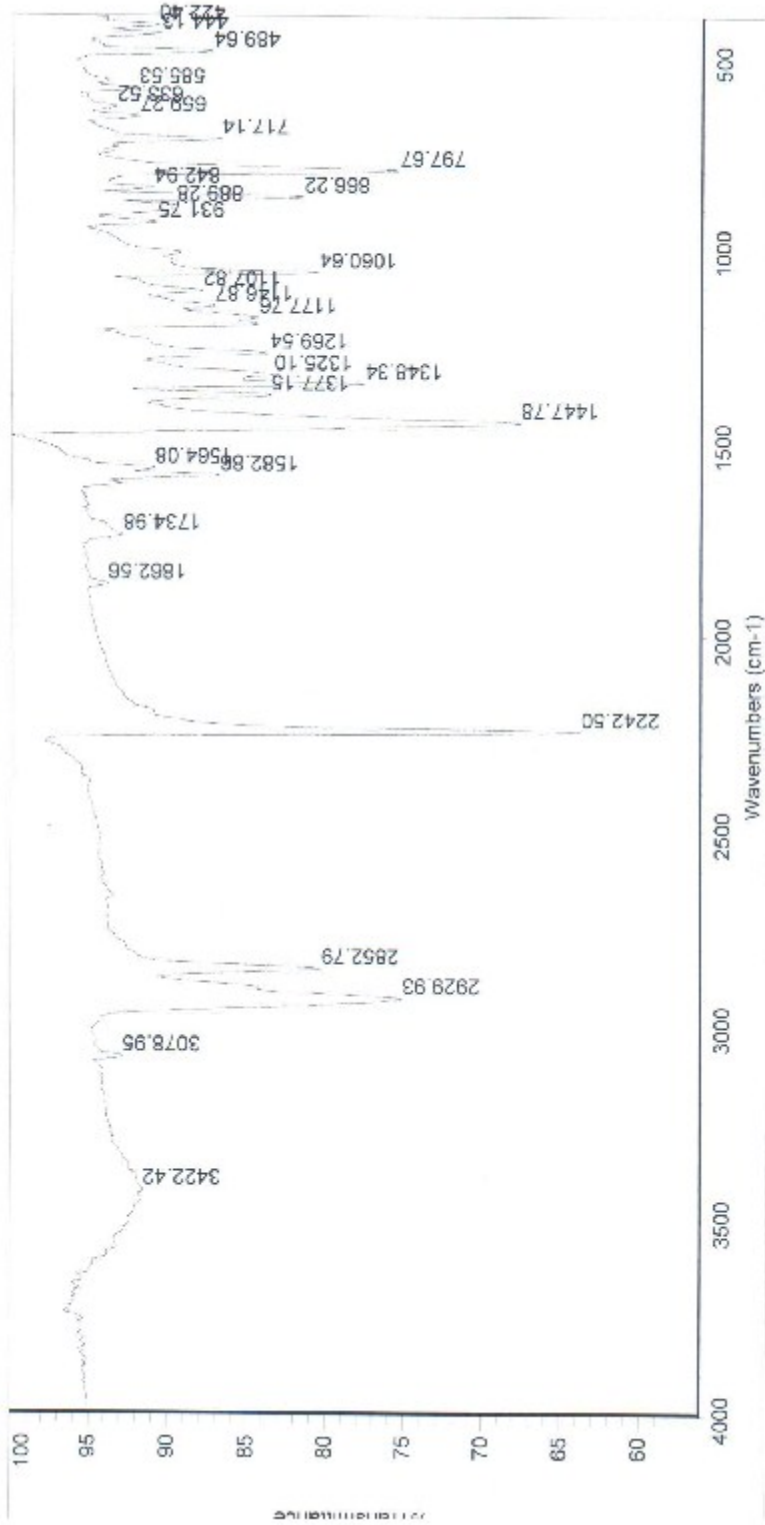
Beamsplitter: KBr

Source: IR

Analyst Name:

R Spectrum of 4ea

Indian Institute of Chemical Technology, Hyderabad
 FT-IR Analysis Report



Sample Name: PRL-4CLCYH [KBr]

Sample Preparation:

Collection time: Tue Mar 14 12:26:50 2017 (GMT+05:30)

Branch: Thermo Nicolet Nexus 670 Spectrometer

Resolution: 4cm-1

Detector: DTGS KB

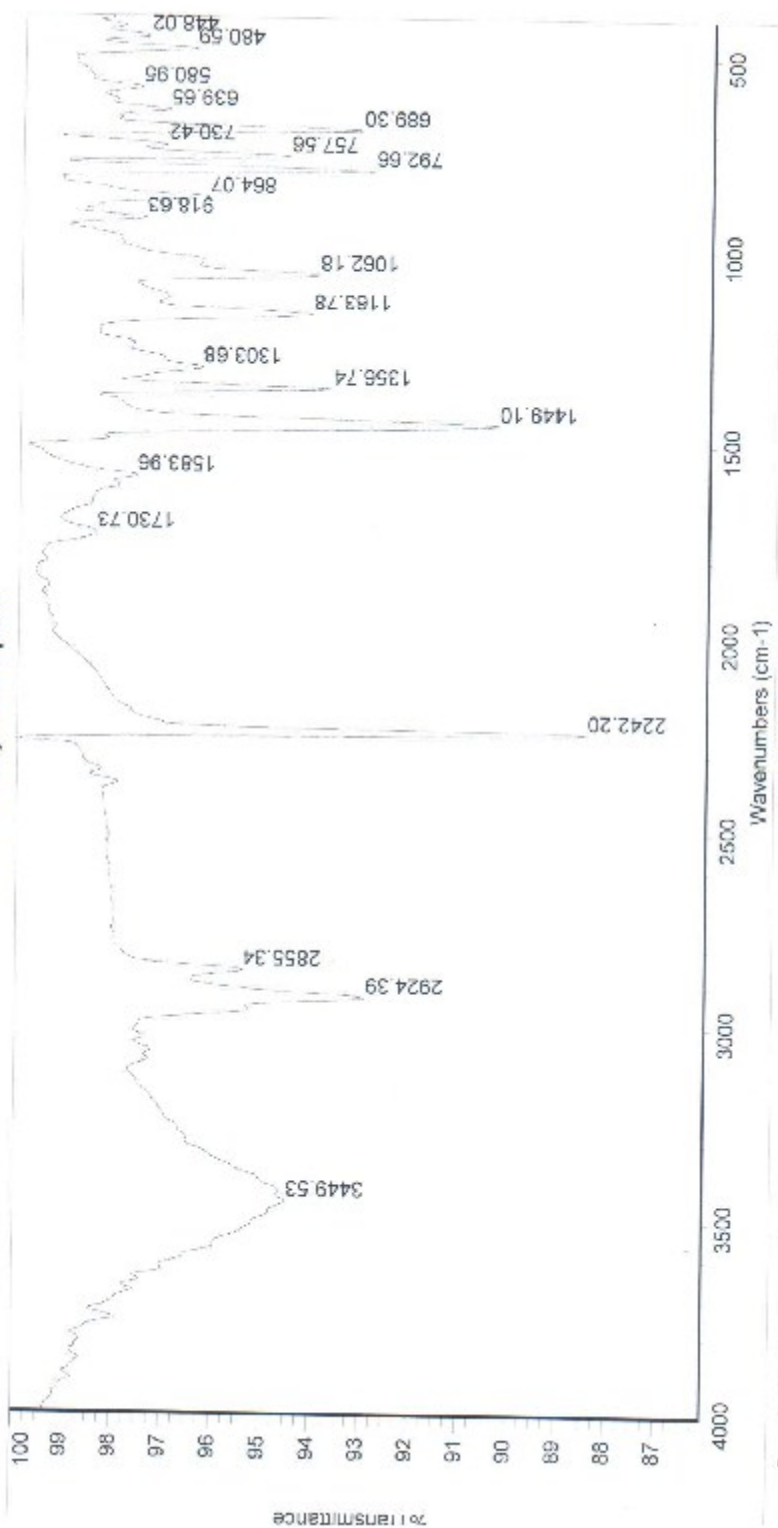
Beamsplitter: KBr

Source: IR

Analyst Name:

R Spectrum of 4ee

Indian Institute of Chemical Technology, Hyderabad
 FT-IR Analysis Report



Sample Name: PRL_4CLPH [KBr]

Sample Preparation:

Collection time: Tue Mar 14 12:32:50 2017 (GMT+05:30)

Bench: Thermo Nicolet Nexus 670 Spectrometer

Resolution: 4cm-1

Detector: DTGS KB

Beam Splitter: KBr

Source: IR

Analyst Name:

R Spectrum of 4eh