Production of energy through absorption of CO_2 and CH_4 from the environment and their conversion into a solution or solid and production of Oxygen by the use of compound and nano materials at room temperatures and pressures.

By M T Keshe

Abstract

Extraction of carbon dioxide and methane gases from the environment and immediate conversion of these gases into a solution of their nano matters while producing useful energy has not been known and has been unachievable through present state of art technologies. In this paper processes will be introduced for the first time the absorption of these gases and their conversion into nano materials suspended in solution or dried and simultaneously achieving production usable energy and production of oxygen while the absorption process of these gasses are in progress in a simple reactor at ambient temperature and pressure.

Discussions

In this paper we will disclose new methods for absorption of gases like CO_2 and CH_4 and conversion and preservation of these elements into their solid state of matters at room temperature and pressure.

We have developed simple processes that carbon dioxide CO2 and methane CH_4 gases are or can be extracted from their environment and/or conditions are created that for example CO_2 in conversion leading to creation of methane gas and vice versa without going through the chemical process.

Where during these processes of CO_2 and methane gas extraction or conversion we have managed to produce usable energy and oxygen molecules in sustainable way simultaneously.

Production and extraction of CO_2 is known technology in the present science. What is new with our technology is that not only CO_2 is extracted in a simple container at room temperatures and pressure, but at the same time energy released through absorption and conversion of the captured CO_2 to formic acid, we have developed simple techniques to capture the energy releases from this transition process to produce useful power systems to light and run systems.

Where for example the energy absorbed has been use to light up diodes and run electric fanes.

The beauty with this new system is that in previous state of art technologies, engineers and scientists had to add energy to extract CO_2 or to produces O_2, where through our technology not only we generate useful energy while absorbing these gases from the environment but at the same time the system is producing molecules of oxygen. Thus a simple device has managed to replicate the process in a natural way as plants achieve in conversion of CO_2 into oxygen.

Through this new technology CO_2 and CH_4 gases are absorber within the solution in their nano state, and then they are allowed to amalgamate and make nano sediment like in the solution and produce residual and form a jell like solution, where CO_2 can be extracted or removed from the solution as solid physical matter at room temperature like any other solid in solution or in open environment.

The CO_2 stays in state of jell as nano materials in solution due to their diamond crystals structure (sp3), or due to their crystal lattice structure, this creates a non adhesive molecular bounds like diamond crystal, which this does not allow more than certain number of structures to adhere to each other, thus CO_2 nano matters once reach a certain molecular gravitational level, they do not attach or can not hold on to more than single or certain number nano molecules of CO_2. Thus all clusters of CO_2 in solution have certain dimension and that is why they stay like clouds or jell within the solution.

We have to explain that it is known tested fact to us that nano coated materials due to this characteristic of diamond crystal behaviour, they can not be soldered to each other or soldered to another material.

We have further managed to dry this nano saturated CO_2 dilution into nano CO_2 powder and thus for the first time in the world of science we have managed to generate at room temperature and pressure nano matters of CO_2 and methane through the same process.

The CO_2 in solution and dry state has a white milky appearance and methane has a blue greenish colour. We have in this paper shown and present pictures of both matters in solution and solid state for the first time (Fig: 9 for solution and Fig:10 for powder of CO_2, and Fig:11 for solution and Fig:12 for powder of the CH_4).

The solution of nano CO_2 and nano methane have been subjected to infrared spectroscopy by independent laboratory confirming the production of the first nano CO_2 as the jell at 2630 wavelength of the spectrum (Fig: 1).

This is actually the best observe data as calculated figure is 2640 (Fig: 2). Thus this showing the purity and nano structure of the suspended matters of CO_2 in the solution.

Further XRD has shown clearly that this matter has superconductive property (Fig: 3), which this spectrum up to this stage is not known and has never been recorded for observation.

Thus the CO_2, XRD data and graphs of it to fit have become the new base knowledge and fundamental basic data for any future capture of these gases, once they are absorbed as a nano material in solid state.

The closes match in superconductor of this material is an exotic mixture of five different material as can be see at the bottom of the graph at about 83% match in superconductivity properties of matters.

For confirmation of absorption capability of nano CO_2 by the solution, the chamber of the infrared spectrometer was field with pure CO_2 and measurement were taken , this shows as line A on graph Fig: 4. Then the solution of nano CO_2 from he extraction system was injected in to the chamber, and the graph line B in Fig: 4 was obtained.
The peak NC in region of increased in C was observed. This showing that the CO_2 solution is extracting carbon from the chamber or causes reduction in carbon content. Where this absorption follows by the peak F.

The process of absorption of CO_2 from the environment and conversion of this through release of formic acid and release of the energy within the system has been shown in the infrared spectroscopy Fig: 5. In this graph the peak and absorption of CO_2 at NC is observed and then the step-down to formic acid shown through infrared spectrum follows Fig: 5 section CF. It is at this point that the photons are released in the liquid which are then these are absorbed by electrodes placed within the system and used for example to light the diodes Fig: 6 for weeks and run motors. Where through development of this technology production of power without burning fuel and at levels which can meet the demand of a household is achievable.

The standard library infrared spectroscopy reference of formic acid are shown in Fig: 7.

In test then the formic acid was introduced to the infrared spectroscopy system and the graph FA in Fig: 8 was obtained. Then a drop of solution of nano CO_2 was place on the film solution of the formic acid and the graph CO_2+FA in Fig: 8 was obtained. Then when we super imposed the original infrared of the nano solution of CO_2 on the

graph of the formic acid and formic acid and CO_2 solution, this clearly showing the conversion of CO_2 (Fig 8 , CO_2 line) to formic acid and presence of formic acid (Fig : 8 zone 2 line CO_2) in the original CO_2 solution which was collected from the system.

As having established the characteristic of the CO_2 from Figs 1,2,3,4, Thus without shadow of a doubt the white material is CO_2 in nano state and from Figure 3 , the confirmation that this matter is a nano structure in SP3 and is and behaves as a superconductor.

In the process of the running the system the area around the electrodes which have been specially treated start gathering a white cloud around them after subjecting the electrodes to certain conditions. From this point on the environment around the electrodes start creating a mist of white material around them and then gradually the whole containment becomes like milky colour liquid and then a white sediment is established in the container between the water and the milky material.

Through the infrared spectroscopy shown in Fig:1 , it was confirmed that the material is carbon dioxide and very much in nano state. The confirmation of nano state of this material is very much confirmed by the second test of XRD as the only match for the dried solid residual of this milky substance shows' superconductivity behaviour of this material this result shown in Fig: 3. Which this confirms the nano characteristic of the white powder.

The picture of concentrated nano carbon in solution used for infrared spectroscopy leading to graph in Fig:1 is shown in Fig 9. This is the first picture of nano CO_2 solution produced and maintained at room temperature and pressure ever been recorded.

The picture of dried powder of nano CO_2 is shown in Fig 10. This is the first picture of nano CO_2 in solid state in atmospheric condition. This is important as nano CO_2 or CO_2 has never been observed in solid state except in frozen state as like of an ice block .

The important point to note is that there is no content ratio between the CO_2 absorbed in the liquid and the water, as is the usual procedure to state in most of tests like these , it is practice to give a content ratio between liquid and water in the solution. Where with this CO_2 absorption technology as long as one can extract nano CO_2 from the environment or surrounding environment of water, the CO_2 absorbed can be removed without ever a need for the change of the water. His we have done in number of times. Thus one can collected several times by weight and volume of nano carbon dioxide from the same container of the system than the water within the container.

This is very important and crucial point and that is where this technology departs from science of chemistry and stands on its own merit as a nuclear gravitational system. That is where if the system was chemical system the CO_2 content of the water would have been fixed and hence there would have been a ratio balance and final content of CO_2 in the water was fixed; But due to the new understanding of the gravitational systems as has been descried in the book (The universal order of creation of Matters), these specifically designed systems with specifically place and produced electrodes, one creates a strong but invisible gravitational and Magnetic field within the zone of

the electrode that can absorb CO_2 from beyond the boundaries of the water without the CO_2 ever interacting with water content of the system.. Thus if this was not so, how could electrodes deep submerged in liquid being able to extract CO_2 from the air above the liquid and bring them to the martial for them to be separated as individual CO_2 molecules. Where as the materials like CO_2 become in nano structure of their own state, then they are sealed like the diamond and hence they achieve a self sustained system that do not interact gravitational or magnetically with any other mater and attain the state of singularity or nano state.

This material feels like mercury and feels cold but does not stick to it container that much. In extracting the water the mater takes the form of jell and is cream whitish in colour.

Thus this is a static nuclear gravitational and magnetic field process which has never been recorded or known up to this point.

This technology making and allowing the production and development of vacuum systems or singular atomic weight extraction system to attain high purity vacuum condition needed for space technologies of the future or in room laboratories for extracting certain molecules or germs. This being done without use of any suction system or high vacuumed pressure pumps. Where the system does not even needs to be adjacent to the system or near the space where the extraction is needed to take place.

In the universe this is the exact principle used by which certain planet or stars and solar systems manage to extract only certain materials from their solar or galaxy environment , and hence they have a mono or a few content elements of material, this being like Saturn with mainly helium.

Thus in fact in this system that we have shown, a micro universal selective system which in this scale we only absorb CO_2 from the environment has been developed, where this can be changed and modified to extract any material from any environment without the use of suction or chemical process and so on, and even being connected or even being adjacent to the material or the environment to be removed or introduced to a given environment.

Further more in our testing process:

During the process of running the system for extraction of CO_2 and producing useful current, due to certain deliberate set-up of configuration of the system, specific section of system starts the absorption of methane gas from the environment.

Where at this point the water content of the power system starts to become blue greenish or violet blue in colour, which this is the colours of the methane in solid state.

Through infrared spectroscopy it is clear that the solution has the ability to facilitate the CH_4 within the water and cause the release of photons or higher energy levels within the matters of the system with leaving the residuals of CH_4 as solid in the in the dilution of the liquid through the same principles as described above for CO_2.

This effect of separation of CH_4 as solution shown in Fig: 11as blue water and blue sediments in the tube and the solid dry residual nano CH_4 powder is shown in Fig:12.

This process of creation of current and the observation of residual of CH_4 indicating two clear processes:

One that the system has start to absorb methane from the environment through the same principle as described through mainly Magravs process.

Alternatively second process can take place where the CO_2 absorbed in the system has gone or goes through process of interaction with water and initiates the production of CH_4 and two molecules of oxygen, where one molecule of CO_2 and two molecules of water using the energy absorbed by the material within the system to create CH3 radical and then CH_4 as molecule.

Where this process is not a chemically binding rather than Hydrogen plasma gravitated and sustained through magnetic field strength within the layers of coating or maters within the system facilitates such a process.

In conventional chemistry it is assumed at least energy equivalent to eight photon of energy is needed to achieve such a conversion from CO_2 to CH_4. Where through this method of using the new system, the material of the systems acts as catalyst and magnetic field provider, that such energy is not required, but in fact gravitational and magnetic fields of the plasma of the hydrogen of the water becomes the magnetic field binder of the chain of event.

This being the reason that in similar cases and in theoretical chemistry one needs energy to trigger such conversion, where as through our system the hydrogen and it sister radical and the free magnetic oxygen and the solution become the magnetic bridge and in fact allowing the system to release energy in a larger quantities than eight photons. In our systems , we have taped into this released energy, by the elements of the system and being able to used and to run a fane which is connected to such a system as can be see in Fig: 13.

The second path of production needs catalytic effect of the material used in the set-up of the system. In the nature this catalytic effect needs eight photons of energy for it to take place, which this is usually provided through sunrays. But in the case of our system the conversion of CO_2 to production of CH_4 and O_2 takes place through the structural materials used, where these material have the ability to observe infrareds rays as well as sunrays in the environment and hence can facilitate the production of the two methane and oxygen gases twenty four hours a day.

Where this process leads to creation of strong current rather than stronger voltage output from the system, for it to be used to run systems like heating and lighting.

This property of this system has allowed us to submitted a full patent for the first full day and night energy panels.

This absorption of CO_2 from the environment and conversion of it into formic acid

and release of energy needed for the photosynthesis is exactly what happens in the plants where the CH3 stage of methane gas is a methyl and is first stage for the production of sugar bases in organic materials. .

Thus for the first time the process of photosynthesis can take exactly as happens in a nature system like a tree through these systems, which these systems not only absorb CO_2 from environment, but through the process of conversion lead to production of oxygen system. This oxygen is in molecular structure too.

In letting the process of CO_2 absorption and production of energy to continue, some cells of the system start the process of production of methyl CH3. This is a significant process as this shows organic process as CO_2 is in process of absorption by system can be used to produce natural proteins and sugars and starch for the passengers of space crafts of the future for deep space travel using the CO_2 which they produce while the take air and exhale CO_2.

Thus through this new technology the mans existence on board of the space crafts of the future, the man becomes the container and supplier of carbon dioxide and hence the provider of oxygen for his own existence.

Thus man itself become the conversion system to maintain his own survival in deep space or on earth during shortages of food or natural crises.

We have achieved this production of protein from the environmental condition in a specific condition in summer of 2008 in Tehran through dynamic systems and now one year later we can achieve the same in static reactor.

This has to be noted that CH_4 has a superconductive behaviour as seen in XRD graph Fig:14.

The scientific nears match to this material characteristic is beryllium palladium which matches by 95% and as a superconductor behaviour only (table Fig 15).

This superconductivity characteristics of CO_2 and of the CH_4 confirmed by XRD and infrared behaviour of this matters and matching and very similar absorption of CO_2 and formic acid pattern as we have seen in Fig: 5.

This similarity in behaviour of CO_2 and methane as superconductive nano materials are shown in Fig:16.

This common behaviour of the CH_4 and CO_2 as has been observed in infrared spectroscopy is shown in Fig:17. In this graph the CO_2 in zone extracts CO_2 and forms' formic acid zone Z 2 then where methane (Me) adds CO_2 to the environment as seen in zone Z1 and then releases' formic acid the same as CO_2 as can be seen in the zone Z2. Where an opened scale of zone Z1 is shown in Fig:18 and superimposed graphs of these nano materials of to same region is in graph 17 is shown in Fig:19.

Observations and notes;

In the development discussed above, one has shown how by absorbing CO_2 from the environment, this being on earth or as the content of craft, this gas can be used to generate energy and oxygen to sustain life without the need for additions reserves of these gases using the man himself as the supplier of the main ingredient the CO_2 for spacecrafts of the future.

What this new technology offers for the planet earth is a survival line that in the present environment of the global warming with the CO_2 generated by burning of fossil fuels and production of methane gases produced by extensive cattle farming, through the utilisation of this new technology for the first time these gases can be extracted from the atmosphere and simultaneously be converted leading to and causing release of energy and through the use of specially developed composite materials this leading to separation and generation of oxygen.

Where some of methane and carbon dioxide in the form of nano materials of the same gases can all be suspended in the solution or dried as solid and reburied or returned to earth as top soil.

Where this new technology shows for the first time and make it possible to achieve creation and holding of carbon dioxide or methane gases in solid state at room temperatures and pressures. Where by evaporation of water from solutions, these can lead to production of solid CO_2 and methane gases in the form of solid or powder nano material of these gases.

Thus this new system and technology completes the circle of life for maintenance and existence in the future while it can clean up the mess man has created by the use of fossil fuels on earth in the past centuries.

Where these new systems will behave as trees on earth and for the passengers of space systems of the future by simple converting CO_2 in to oxygen and where the man becomes the supplier of CO_2 for the system for it to keep functioning.

The long term research and development of a self-sufficient system for space technology has been one of Keshe foundation ultimate goals.

Through the development of the technology which has been disclosed the initial steps to conclude this process for application in our space technology is considered to be completed.

In the space technology of the future one has to be able to use all matters available within a space craft to be able to attain a continues and sustainable system for the existence of man in deep space travels of the future.

With release the of this paper the final goal for our foundation is achieved and in conjunction with what we have released with gravitational systems, medical system and production matter, our mission to allow man to sustain life in space indefinitely without depending the mother planet for food and fuel is complete

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To this end man can attain by having a fully integrated system to be able to

sustainable life in space. We have managed to complete the cycle existence for and in time, that these will achieve not because of them but through them and through the collective knowledge which we have put in public domain in the past years.

Keshe foundation has completed it mission to provide a full system through a simple technology, where we have developed the system for motion with gravitational position system, through our nano materials we have shown how to produce matters in the universe and materials to manufacture for what man needs for food and habitation, then we have shown how to develop the system to feed and produces systems to cure ailments through our medical application section, and in the energy production system we have shown how to generate energy through simple natural process, and finally now with this technology we have shown how to create a self sufficient environment to sustain life with extraction of CO_2 and use of the same to create oxygen for man to survive in the universe.

Our mission is complete in respect to mans existence and in the coming future we open new doors to new knowledge of how to interact with others in the wide spans of the universe.

Conclusion

Through new and simple methods which has been developed and used by the foundation, we have managed to create and establish clearly how gases can be made to be contained, extract and convert them into solid state, without the use of any chemical reaction, temperature or pressure, and simply through creation of condition of mini and localised Magnetic and gravitational fields as is done in the universe. Where these fields can be hidden within the static layers of different matters as has been chose and shown in the electrode of the system which we have developed.

At the same time it is confirmed that nano gases do behave as their metallic and semi metallic matters in the universe and they become or attain the behaviour of conductors and superconductors and super resistors. Where this solves and answers a number of unanswered questions in the world of physical, chemical and biological binding, movement and motion of planets, stars and matters in cosmos and to how gravitational field and magnetic field of celestial bodies do operate in their environment and how they produce these fields forces.

This paper in its simplicity of its presentation and the knowledge it has put forward will in due course bring about fundamental new ways that a number of problems in the scientific world are to be considered and the old ones to be reconsidered.

With the knowledge gained new systems in vacuum, creation of matter, extraction of matters and conversion of matters are/ can be developed and in a way this paper opens a new a unbelievable horizon to the man for science and space technology of tomorrow.

We have shown and clearly proven not only one dose not need all sorts of machines to

create or extract matters from environment but simply following the laws of universal gravitational and magnetic field forces, one can achieve the same in a much simpler ways, where instead of using energy to achieve production of a matter one can extract energy from the same system and achieve better results in doing the same process.

When considering the conversion of gas from being able to take the shape of its container to the same atom becoming the container of itself as a nano of the same atom or molecule, then this new state matter or the solid state of the gas at ambient conditions like the room temperature become the nano matter of the gas.

Thus this matter has to be considered to be a new state of Matter or the sixth state of matter.

This being due to the fact that this new nano matter of the gas in solid state it does not behave as in its old state of matter or any other state of matter as we have known and what we have seen by infrared and XRD testing of these CO_2 and Methane gas nano material.

Thus as in this new state of matter molecule of **GAs** becomes **Nano** of itself and become a **Solid** as we have seen from our testes and shown as solid the matter in this paper.

Thus the new state of matter from GAs to Nano of Solid matter is to be called (**GANS**). This new name in fact clearly not only indicating the source of the matter which is gas, but at the same time it clearly explains what to be expected and describes the characteristic of these matters.

Where these new characteristics being like superconductivity, lightness, singularity of grains, and so on of the same molecule as it become nano of itself and become solid of itself but having full molecular structure, self closed and singular.

Thus from this point on we do not call these solids of nano of gas or nano CO_2, but GANS of CO_2.

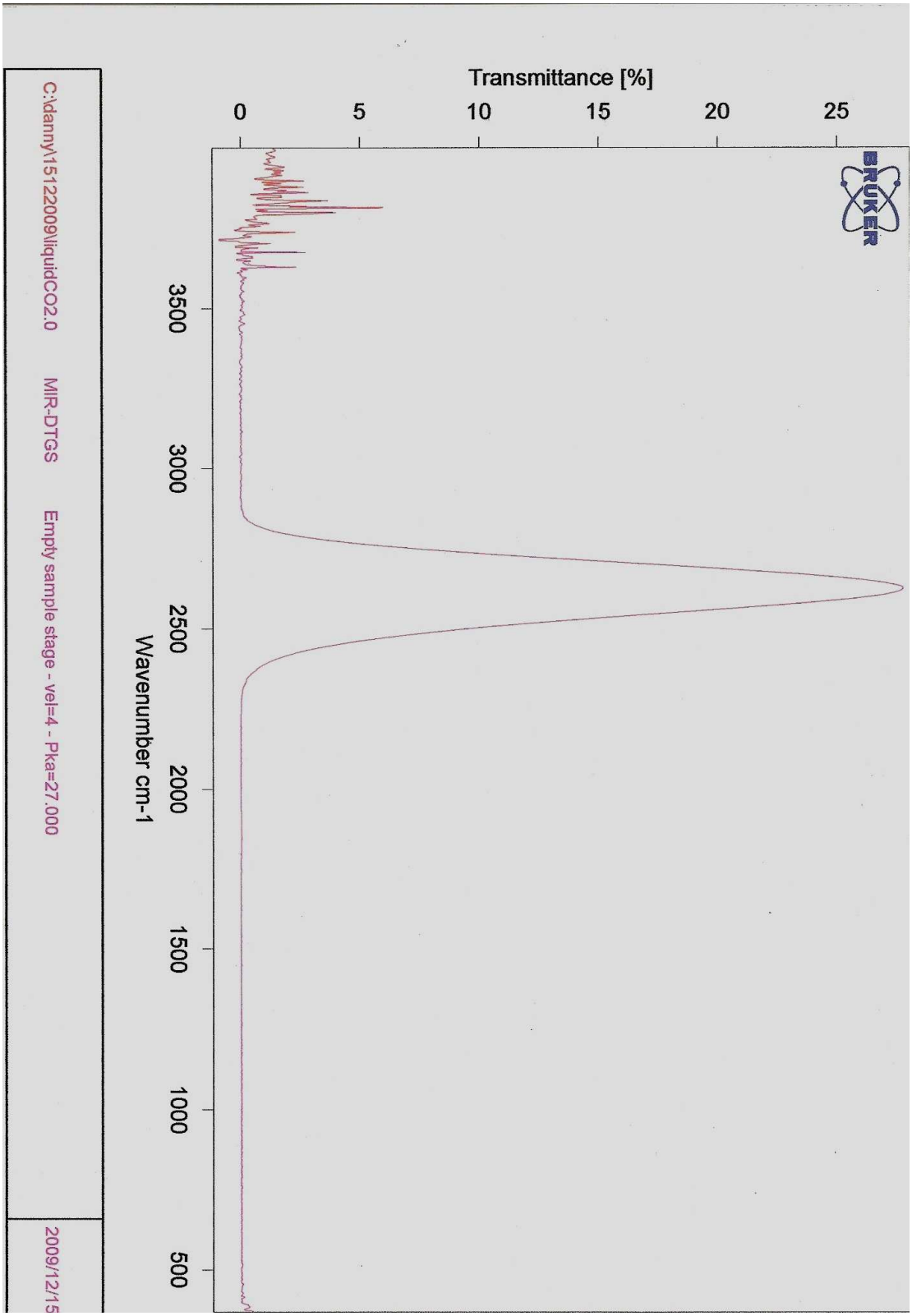


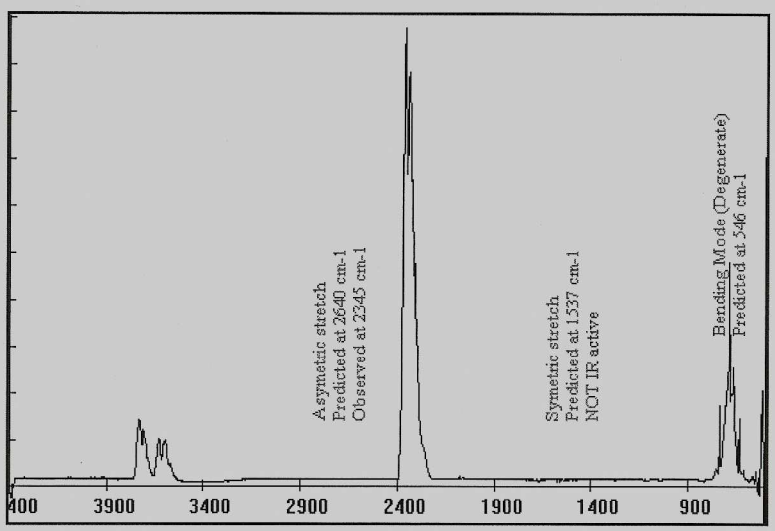
Fig: 1 Infrared spectroscopy of the CO_2 solution.

Carbon Dioxide, CO_2

Fortunatly HCl is not present in high concentrations and it does not absorb very strongly. CO_2, however, is present at higher concentrations and it absorbs strongly in the IR. Because CO_2 has more than two atoms, it can vibrate several different ways. These different types of motion occur at different frequencies.

The frequencies of these motions may be calculated based upon the mass of the atoms and the strength of the bonds. Much like the motion of a spring is calculated in a physics class. The animations that are presented here are based upon this type of calculation.

The IR spectrum of CO_2 (4.0 kPa total pressure) is shown below. You may select the animations by clicking on the image, or from the menu below.



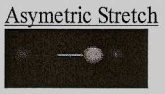
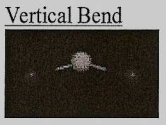
- IR Spectrum of CO2 (*.jdx)
- Animation of vibrational modes: (link to flc files, animated gif's courtesy of Marty Schultz)
  - Asymetric Stretch 
  - Symetric Stretch (not IR active) 
  - Vertical Bend 
  - Horizontal Bend (A degenerate mode with same motion as above but rotated by 90^0)

Fig: 2 standard CO_2 infrared spectroscopy graph

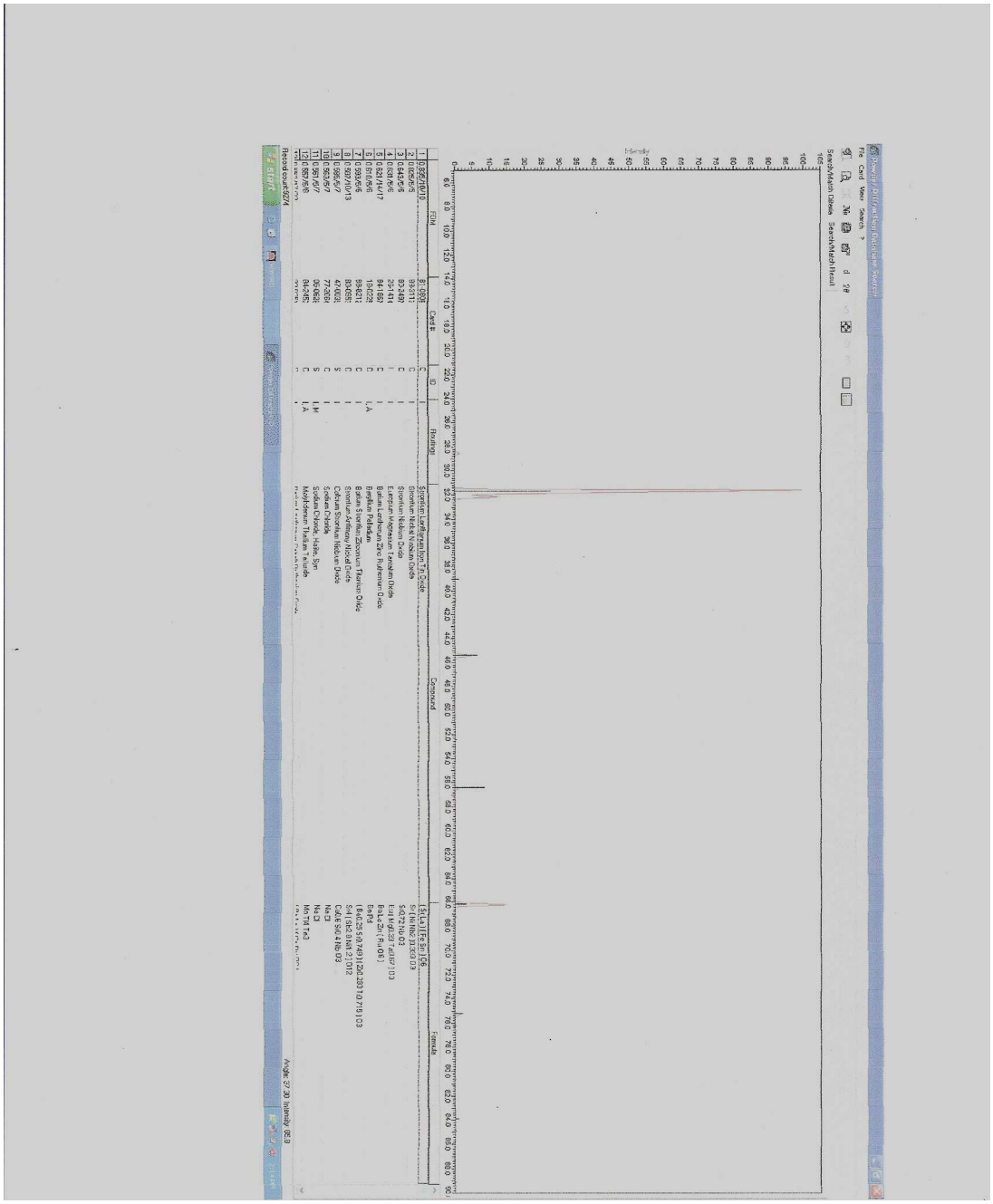


Fig: 3 XRD of the CO_2 nano material

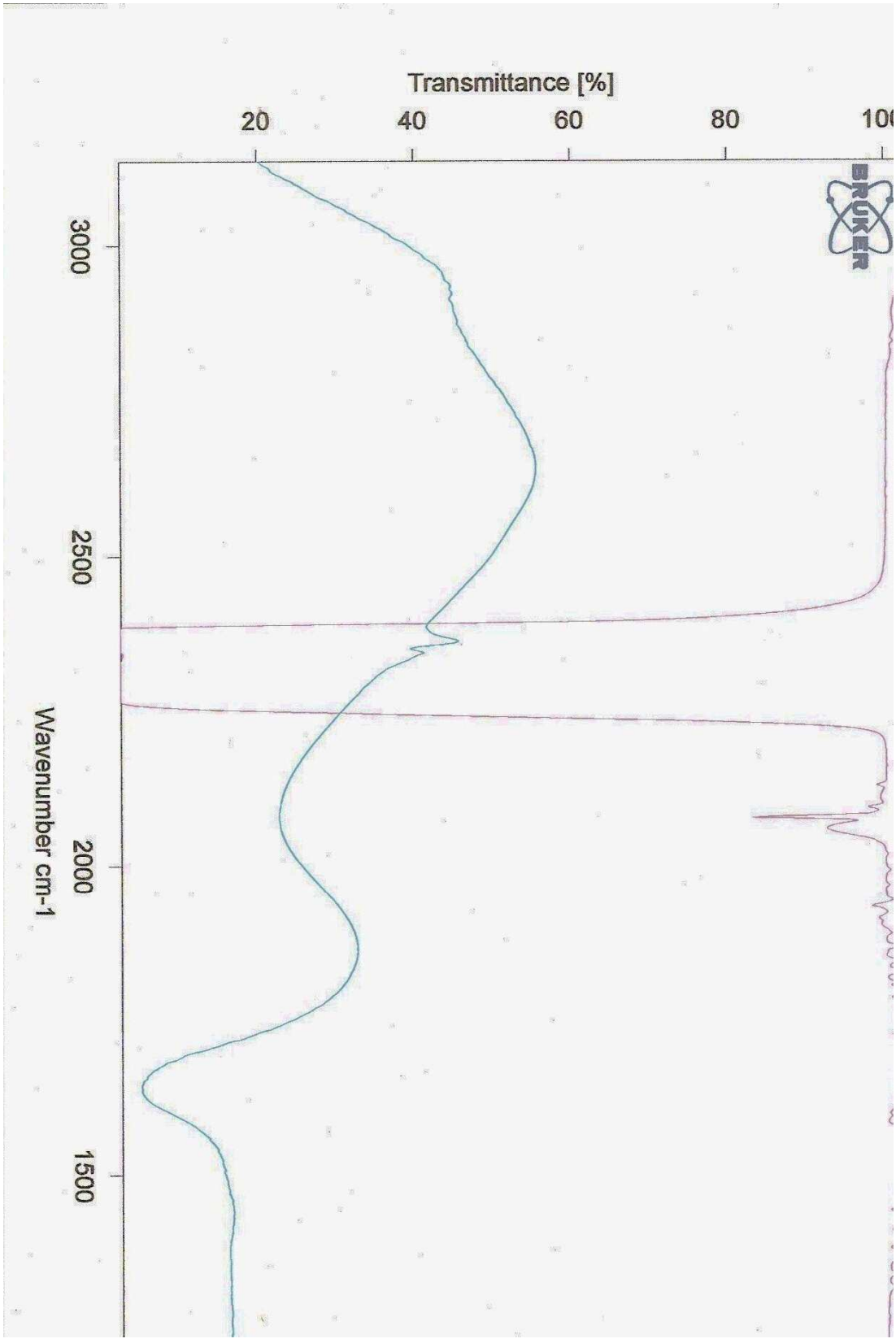


Fig: 4 the comparison graph of injection of the solution of CO_2 into

CO2 gas environment

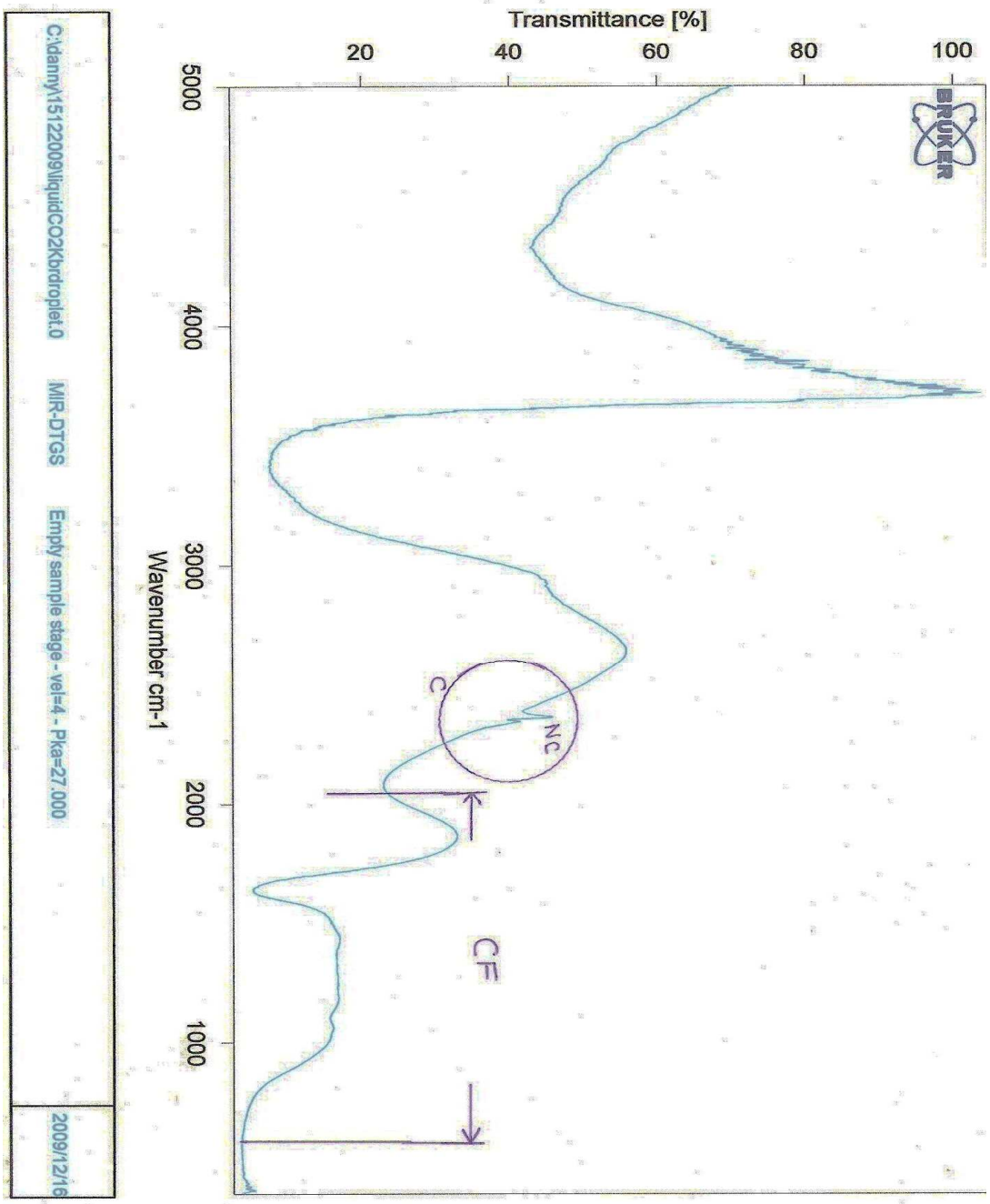


Fig: 5 The graph of the conversion of the CO_2 into the formic acid within the chamber.

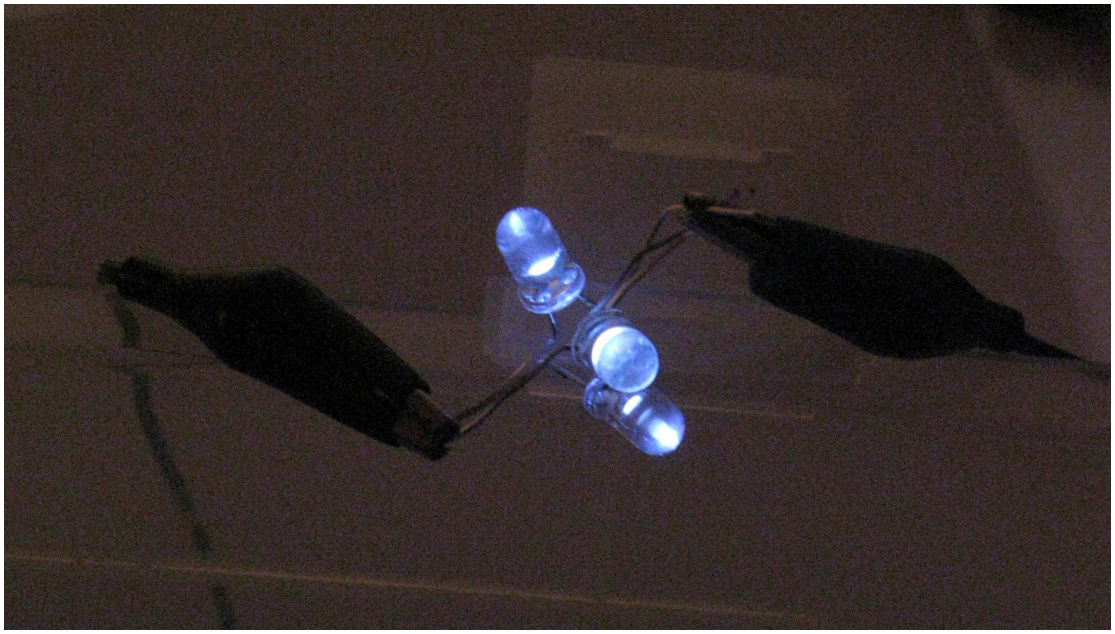


Fig: 6: Group LED’s light

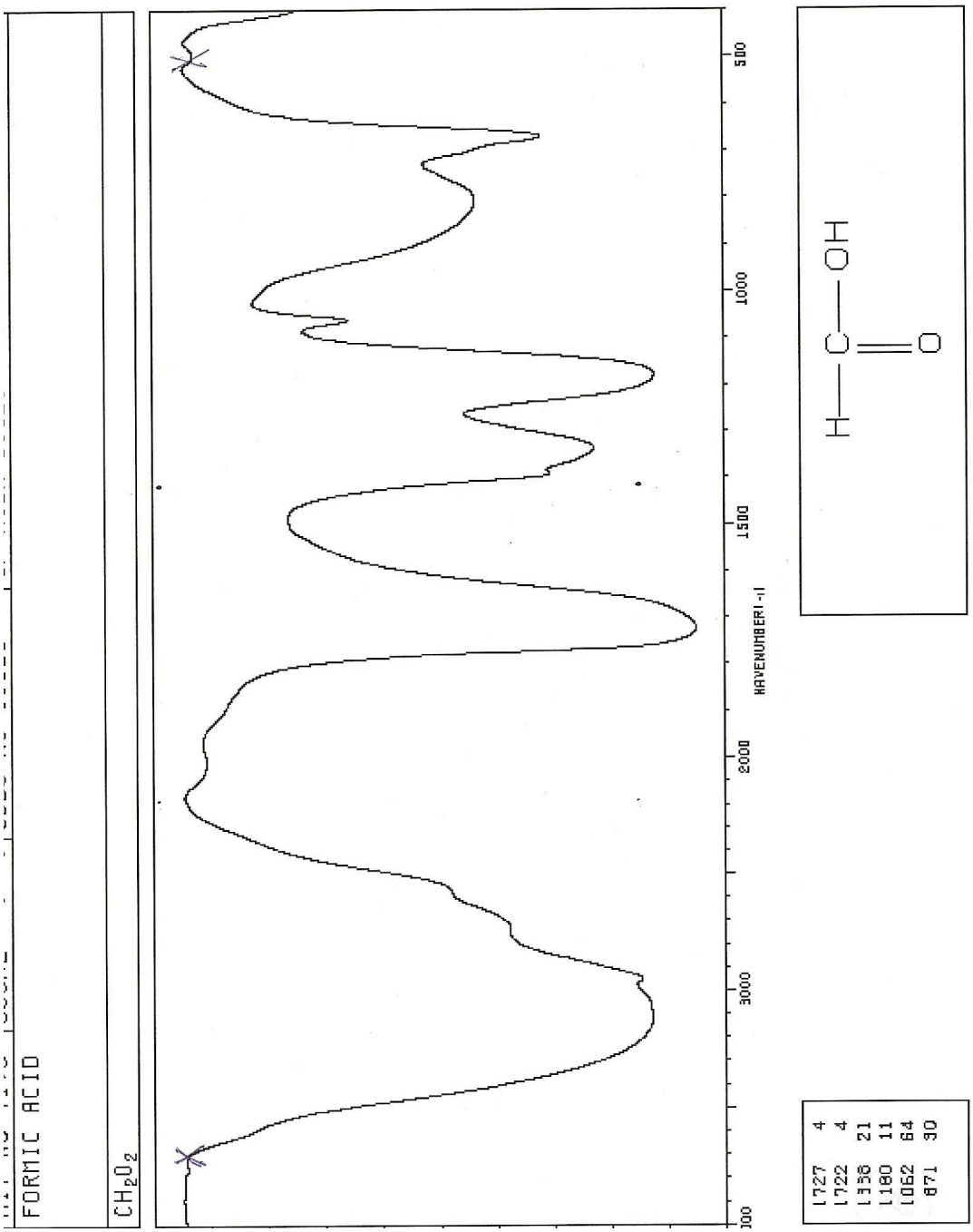


Fig: 7 The standard reference of IR spectroscopy of the formic acid.

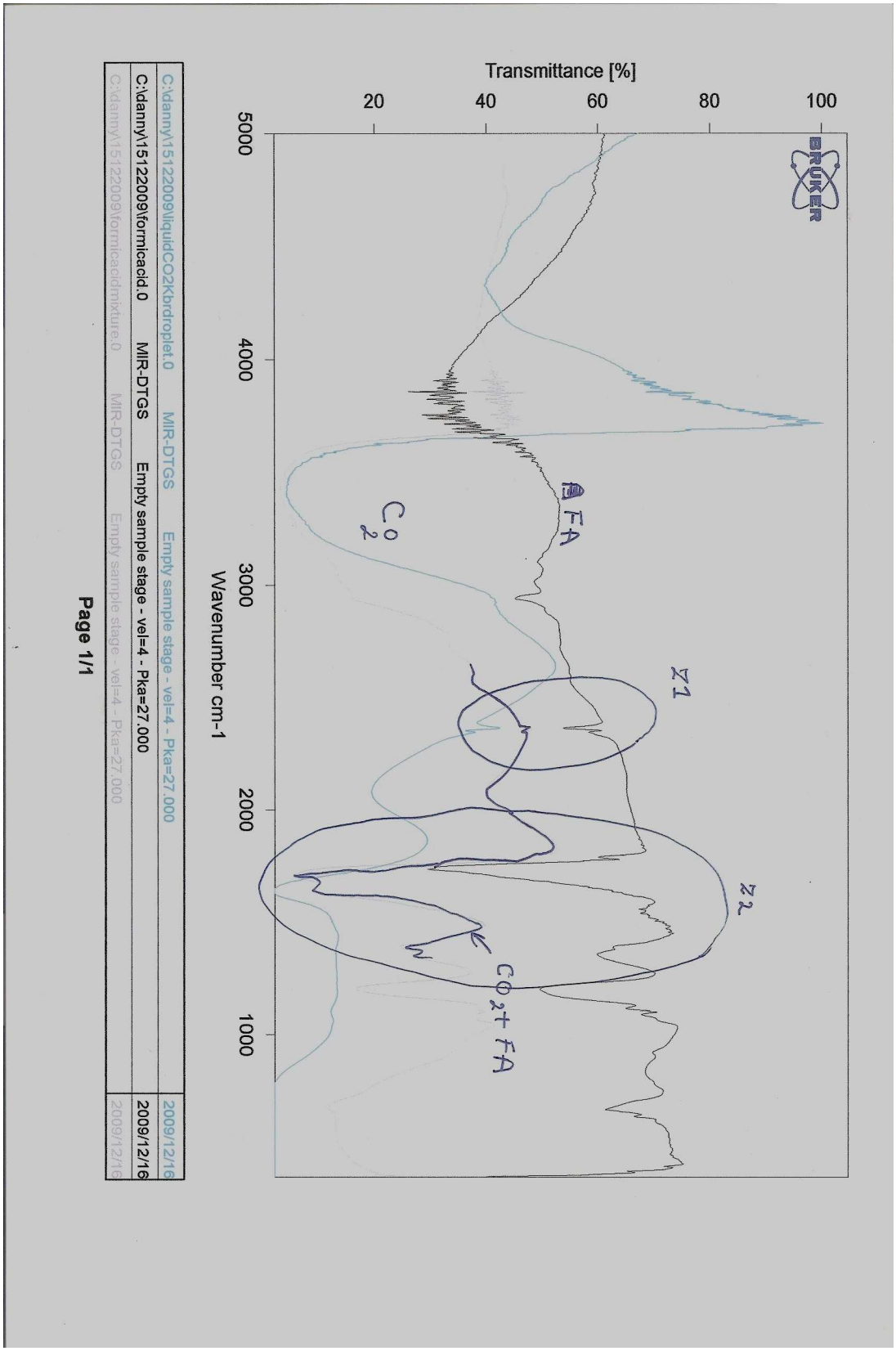
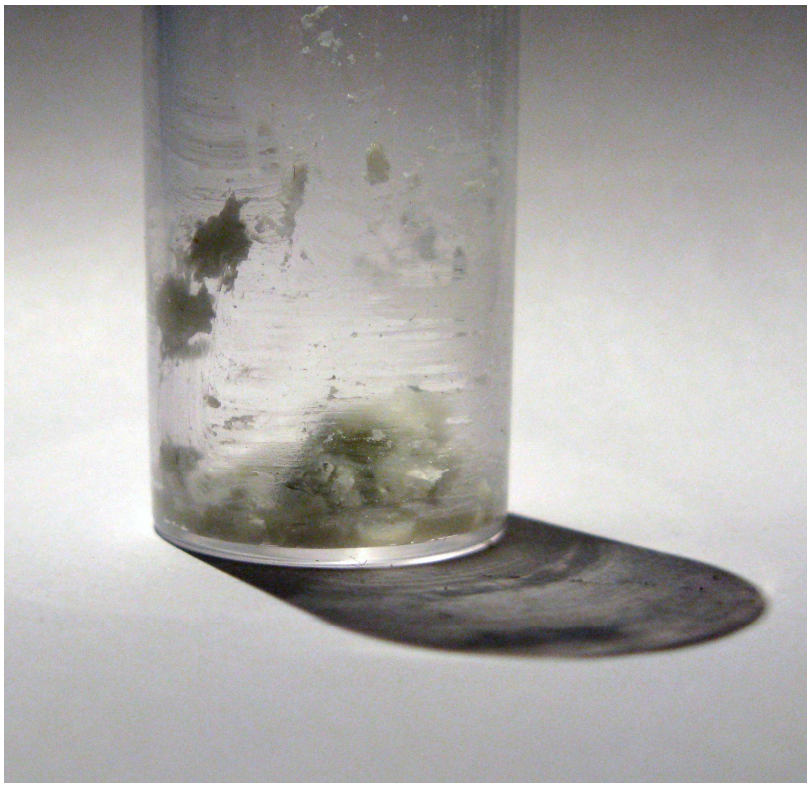
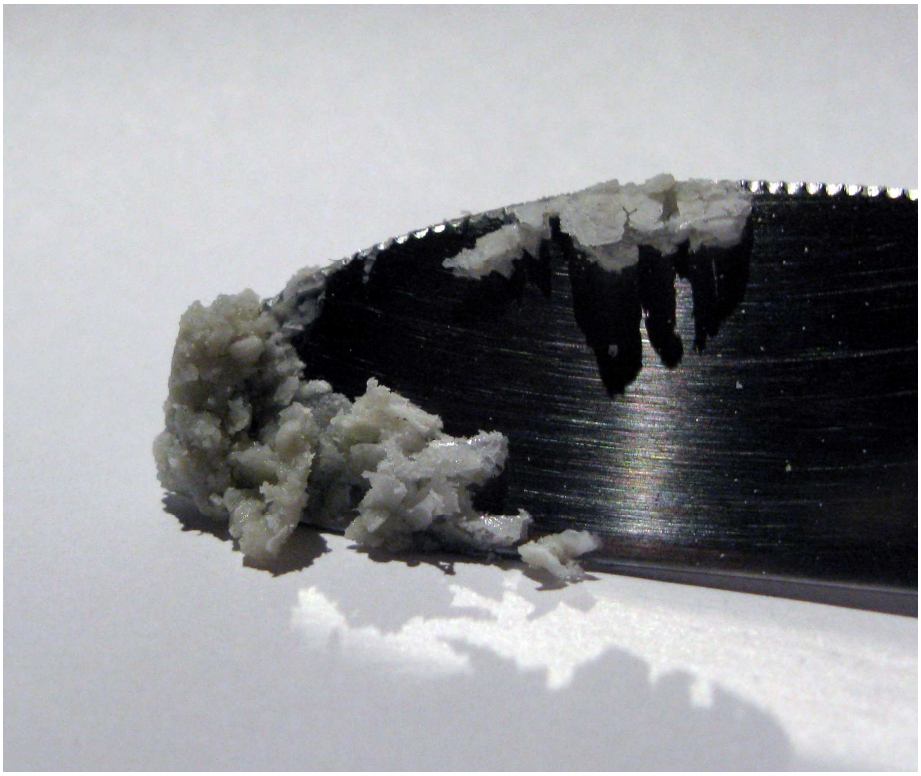


Fig: 8 The superimposed graph of CO_2 and conversion o Formic acid and formic acid and mixture of formic acid and solution of nano CO_2

Fig: 9 Solution of nano-CO_2
Fig 10 A, B: Solid nano-CO_2





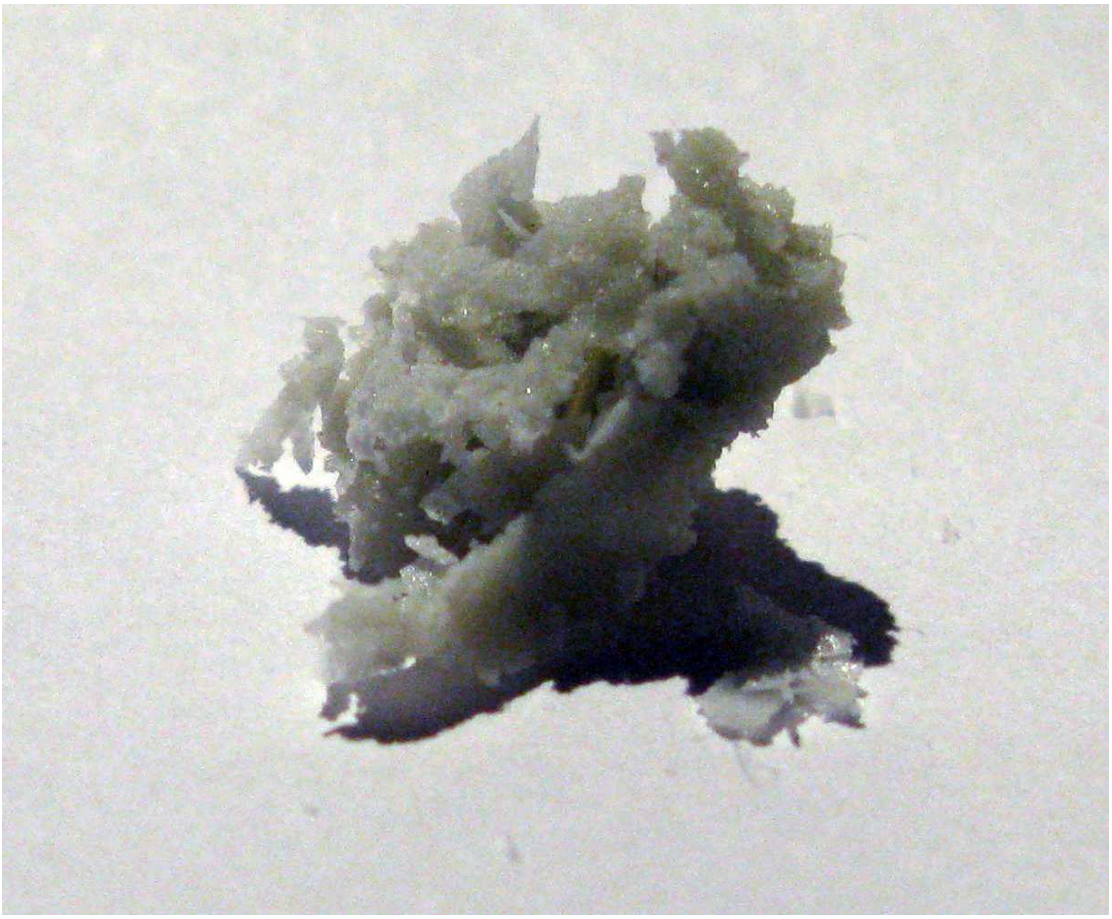


Fig 10C: Solid nano-CO_2

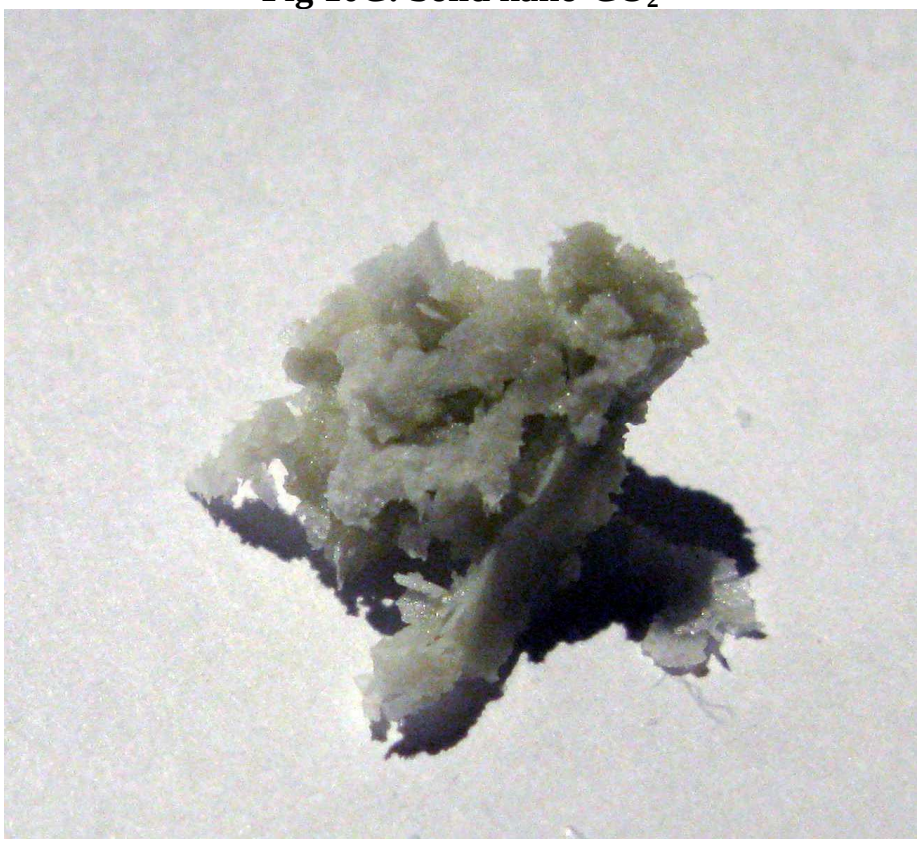
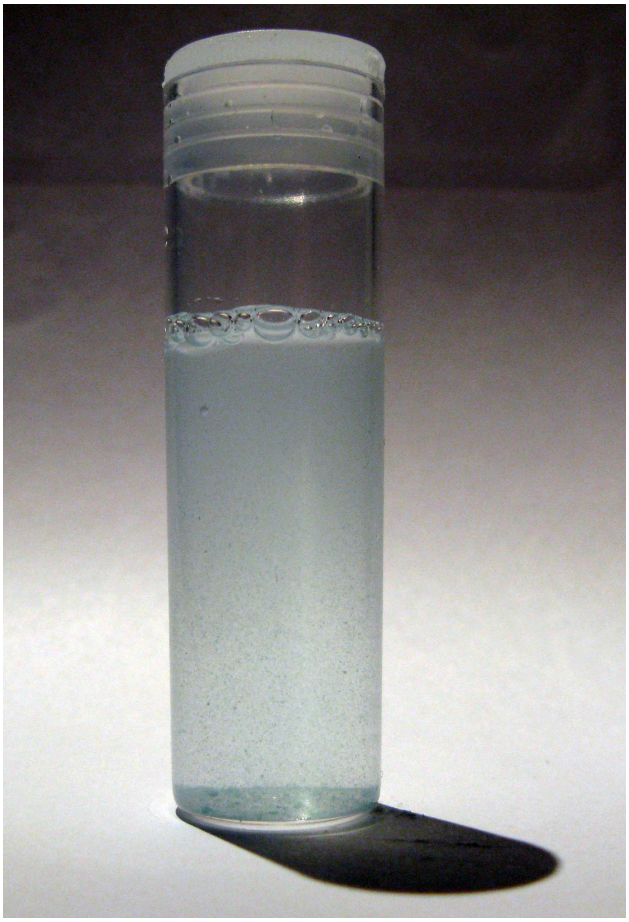


Fig.: 11. Solution of nano Methane



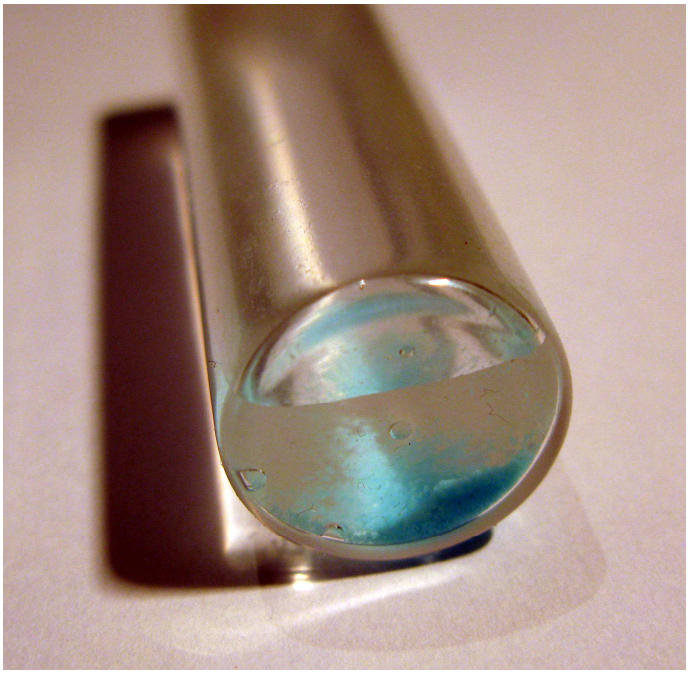


Fig.: 12. Solid nano CH_4

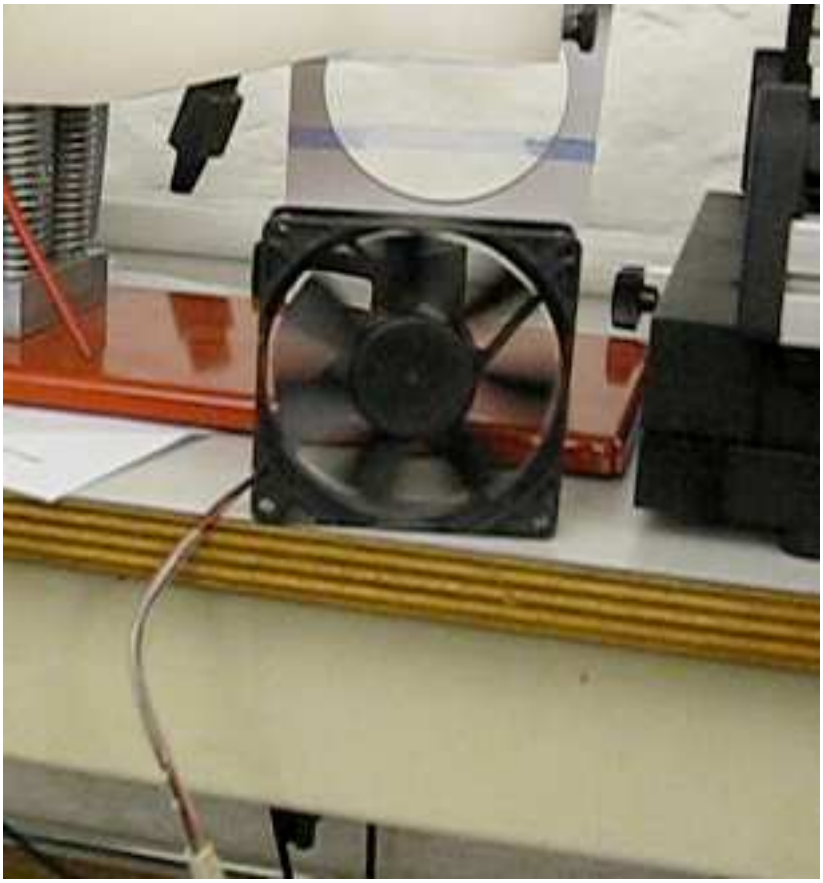


Fig.: 13: Turning fane.

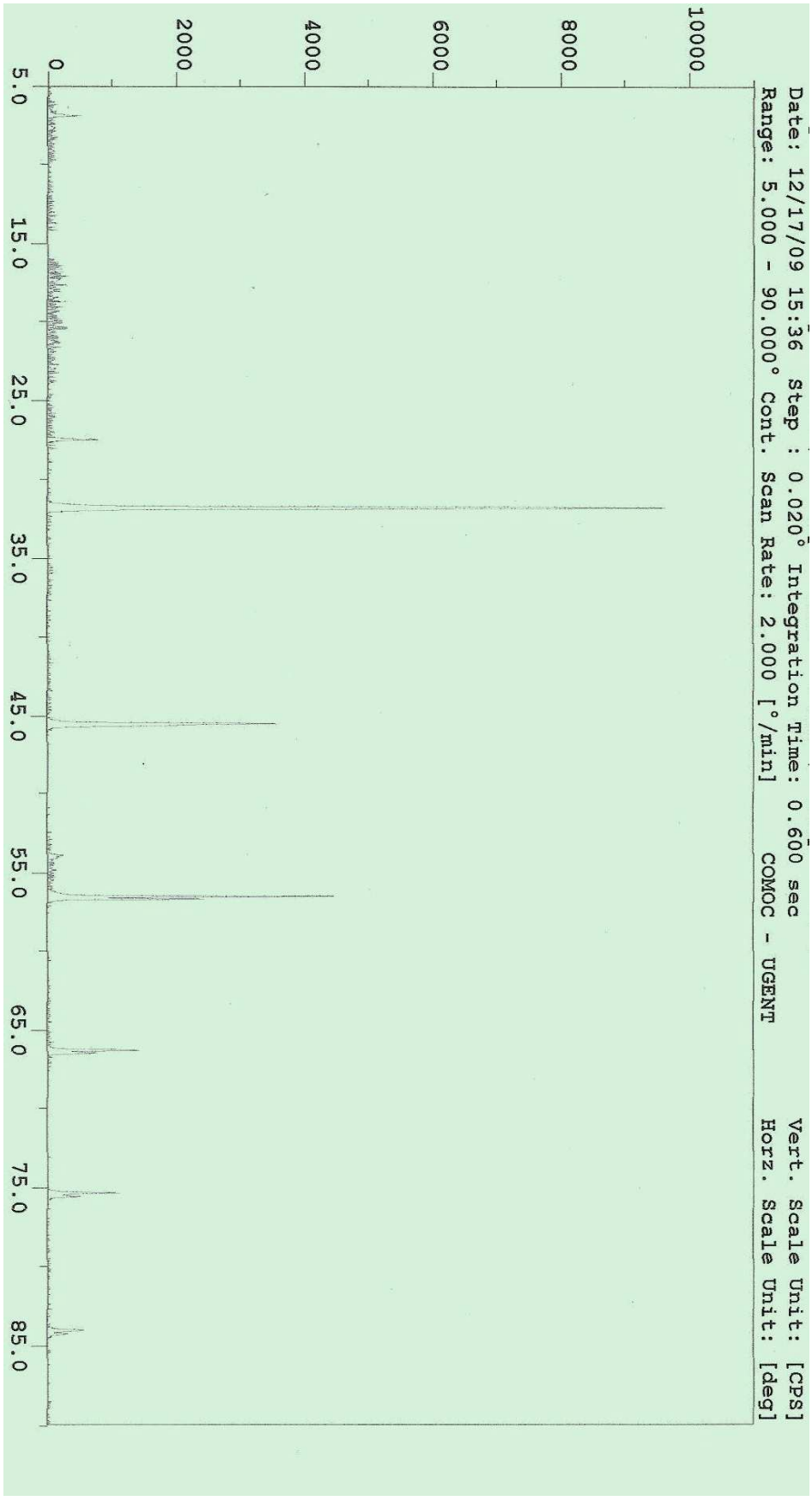


Fig: 14 The XRD of the superconductor characteristic of nano Methane solid

Fig: 15 The nearest data of matching materials available that match the green blue powder superconductivity characteristic to the extracted nano methane solid from the solution.

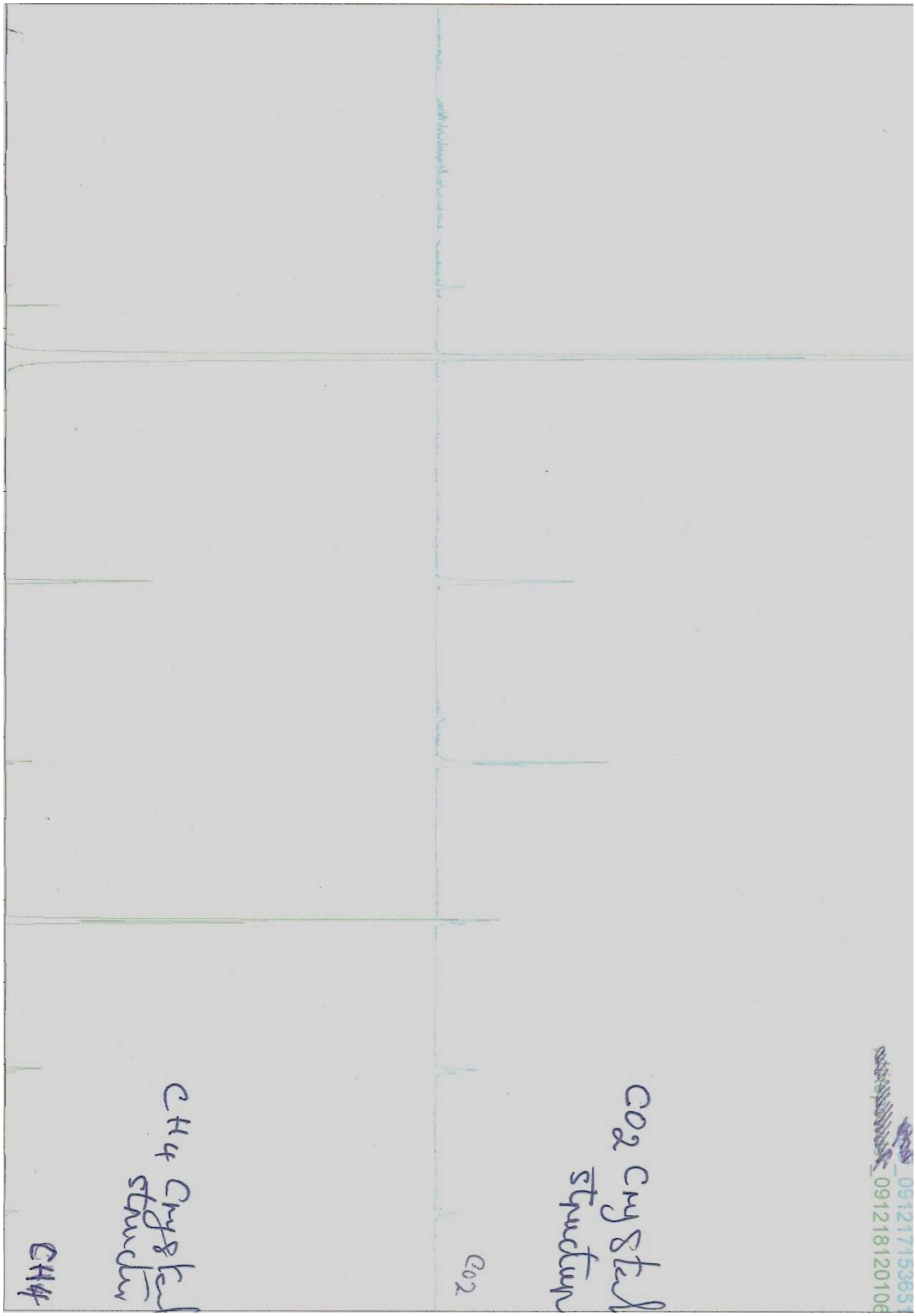


Fig: 16 The XRD superconductivity characteristic comparison of nano CO_2 and nano CH_4

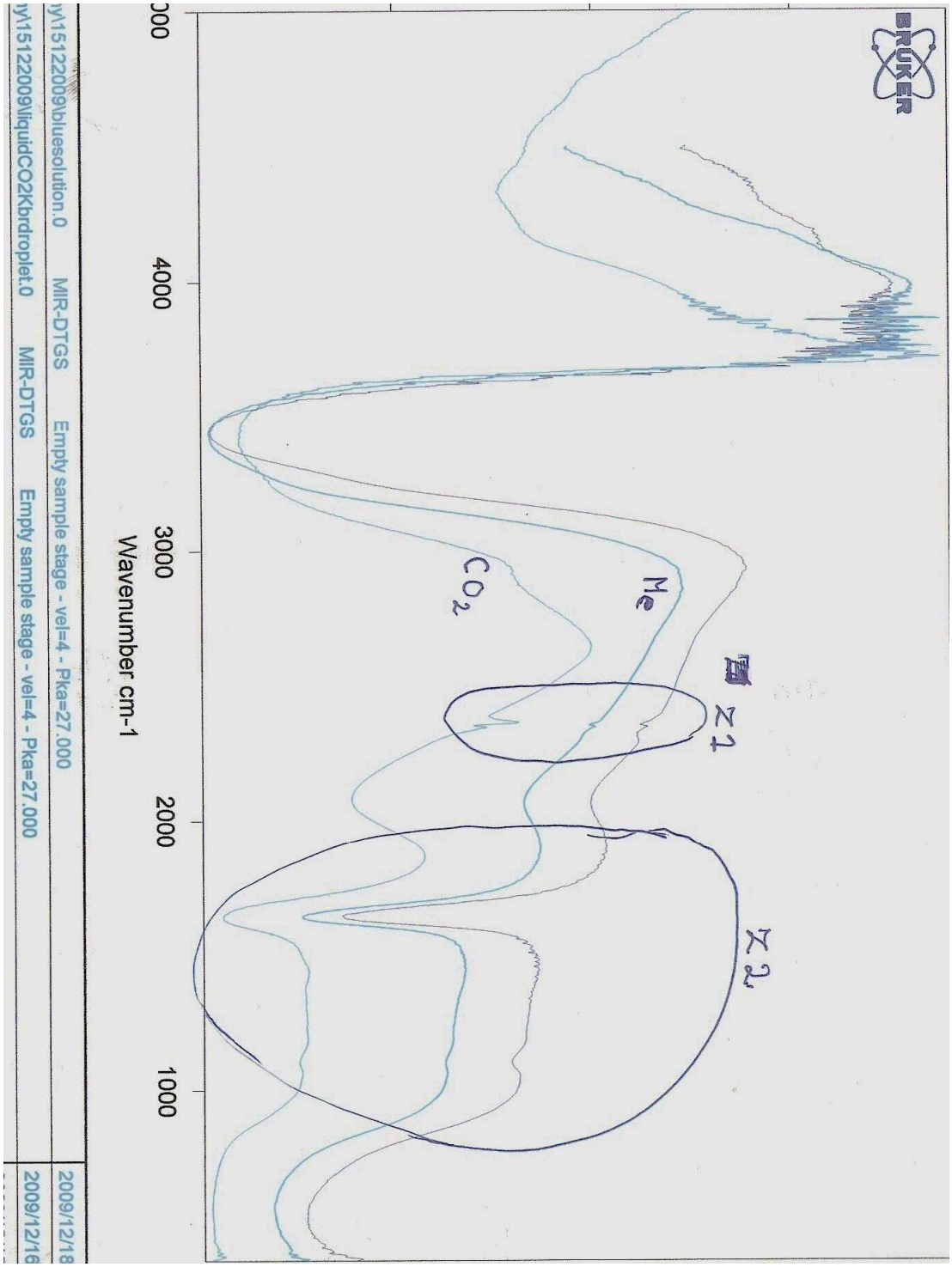


Fig:17 The IR spectroscopy comparison between nano CO_2 and nano CH_4 in solution

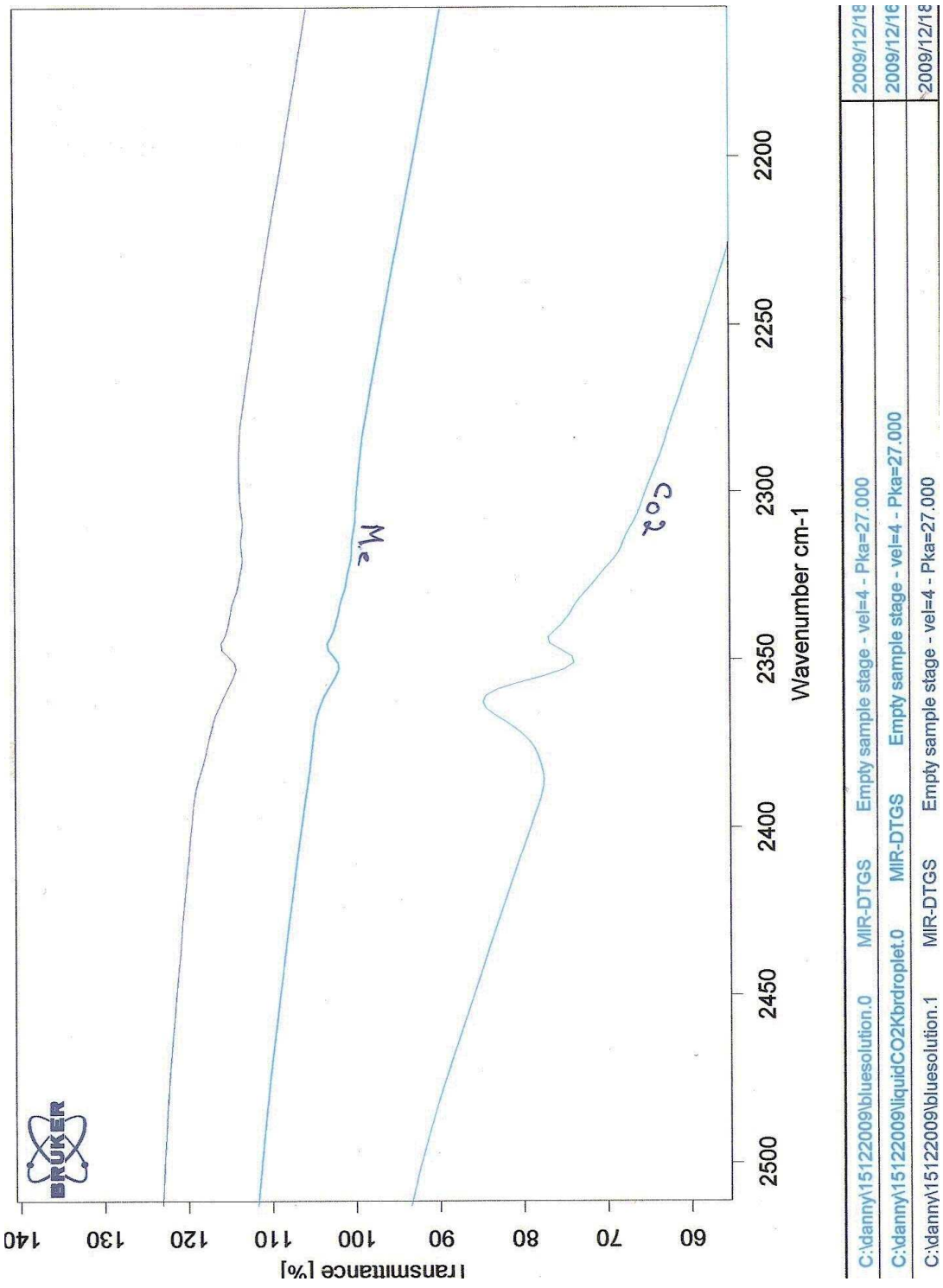


Fig: 18 the enlarged section of the CO_2 and CH_4 in infrared from Fig: 17.

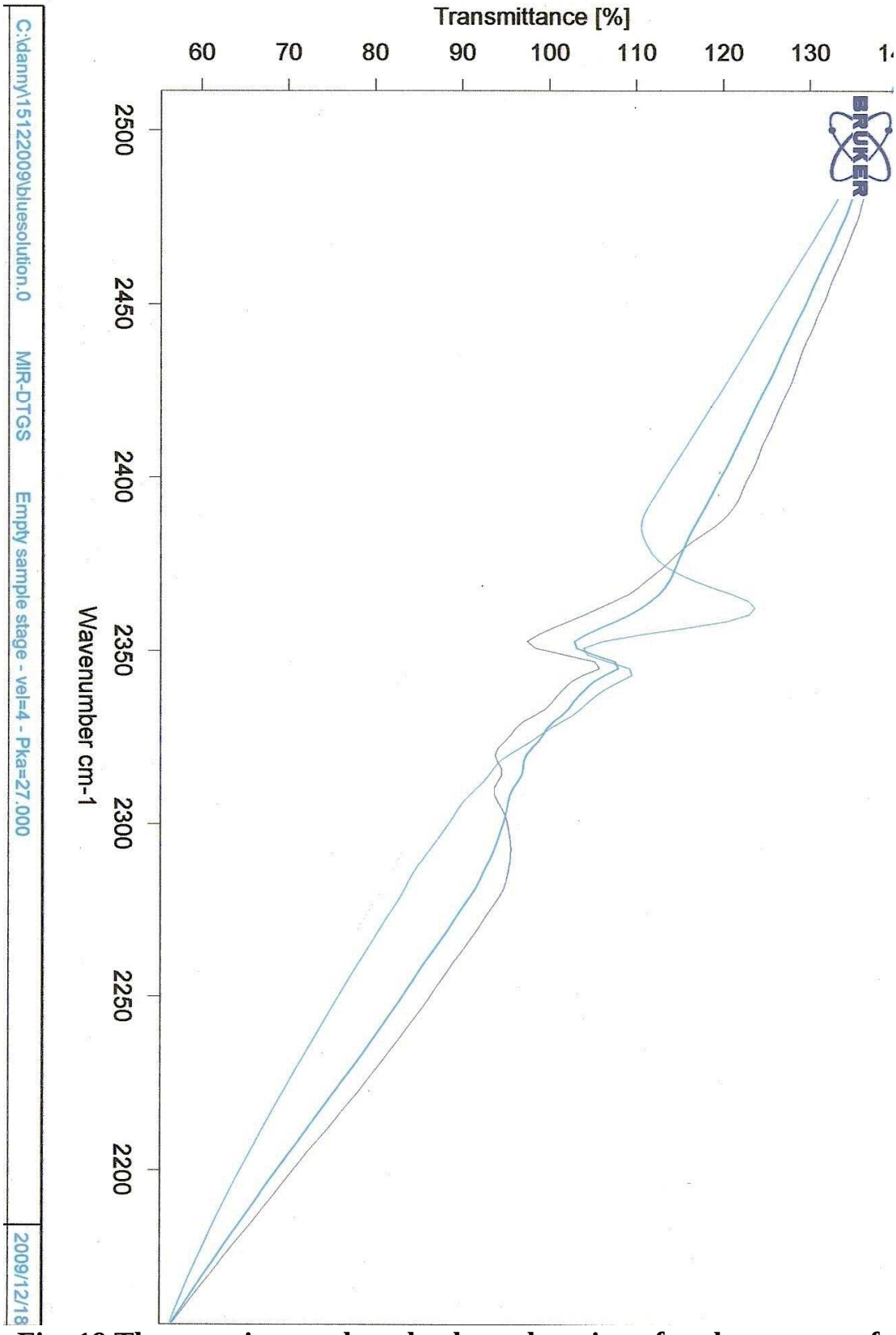


Fig: 19 The superimposed and enlarged section of carbon sector of the Fig 17.