The manuscript "Infrared spectroscopy the work-horse for analysis of  
co-processed ibuprofen and magnesium trisilicate: co-milling vs. co-freeze  
drying"   
I also inspected your manuscript and found out that the text needs  
additional editorial work….  
There is still necessary to improve the language. I advise you to use one of  
the available web manuscripts editing service or to ask an English speaking  
scientist to help you in this matter.

Ans: The manuscript has now been revised and rewritten improving the English language.  
------------------------------------------------------  
Reviewer E:  
Comments for the authors::  
        I have gone through the manuscript and I appreciate the attempt of authors to detail about assessment of interactions by FTIR. However, few concerns I do have, which needs correction before the manuscript is being accepted.  
1.      Reduce trivialities and curtail redundant text in whole manuscript.

Ans: The whole manuscript has now been corrected, revised and rewritten precisely.

2.      Abstract needs to be revised in the view of specific objective and experimental part. Abstract has been revised and rewritten as:

1. Introduction needs revision because of its disorganized nature. The hypothesis too needs to be clearly presented.

Introduction section has now been revised after organizing the nature wherein the hypothesis has clearly presented.

2. 2.line 77-78.. split in to two separate sentences.

Now line 77-78.. splited in to two separate sentences.

3.      line 82..provide reference.

The reference has been provided.

Magnesium Trisilicate Mixture BP - Summary of Product ... – eMC (Last Updated on eMC 30-Jul-2015) <https://www.medicines.org.uk/emc/medicine/25289>

4.      line 129.. write weight ratio..

(3: 1, 2: 1, 1: 1 and 1: 2)

5.      How authors optimized critical speed and time of ball milling.

Ball charged in the vessel allowed smooth cascading motion, and significant attrition and impact during dry-state milling while operating the mill at 100 rpm for 1 h. The operating speed of 100 rpm is the normal available speed for this type of laboratory ball mill. Critical speed is much higher than this and it was not necessary to determine optimized critical speed. We have maintained consistently 1 h of milling throughout. We have not also studied the influence of milling time on degree of interaction and that is the reason for not optimizing time of ball milling.

6.      Space between line 138 and 139.

Space provided.

7.      Provide specifications for freeze dryer.

We have now provided the specifications for freeze dryer as: Laboratory vacuum freeze dryer (4kg, 220 V) with attached vacuum (220 V, 2.7 A, 370 W, 1400 r/min, 50 Hz)

8.      In section on drug dissolution, terminology drug release has been widely used...which is correct 'dissolution' or 'release'

Revised: the term “dissolution” has been replaced by “release”

9.      line 201-204...remove experimental part from results section.

The experimental part namely

“Crystalline ibuprofen was co-processed with magnesium trisilicate in the dry-state by constant milling for 1 h period at lab ambient condition of ~30 °C. Aqueous state co-processing was also performed by kneading with water and freeze-drying at 15–20 Pa pressure and maintained temperature at −40 °C.”

has been removed from results section and the same section started with…

The dry-state co-milling and aqueous state co-processing could be analogous to the commonly followed processes in the tablet granulation department of pharmaceutical industries.

10.     Provide chemical formula for Ibuprofen at appropriate location.

Chemical formula for ibuprofen (CH3)2CHCH2C6H4CH(CH3)COOH, has been provided in proper place.