Response to Reviewer' Comments

Dear Reviewer,

We sincerely appreciate your comments and suggestions on the manuscript! Every available suggestion has been answered carefully and corrected in the article. The corrections are marked in red color.

Question: In the introduction, the authors foreground their work, focusing on the relationship between the presence of pores and sensitivity. It indeed the case, but I could not find any discussion on this issue. Therefore, I suggest include some comments on this and, probably, provide some discussion of how to avoid the increase of such defects, which increase sensitivity of energetic crystals, in particular CL-20.

Response: Thanks for you comment, I have supplemented with a forecast about the change in the performance of the CL-20 in terms of safety after thermal treatment in the conclusion. “During the thermal treatment, the nano-scale pores increase obviously, which will seriously increase the sensitivity of CL-20, and make a dangerous to the explosive charges with CL-20. To improve the application performance of CL-20, we should try to avoid the increase of such defects, such as storing in an constant low temperature to avoid the thermal expansion, and avoid any phase transition.”