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| Book Name: | [Chemical and Materials Sciences: Research Findings](https://www.bookpi.org/bookstore/product/chemical-and-materials-sciences-research-findings-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_4617** |
| Title of the Manuscript: | **Determination of Polymer Monomers in Polyhydroxyalkanoates using HPLC Analysis** |
| Type of the Article | **BOOK CHAPTER** |

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| PART 1: Comments | | |
|  | Reviewer’s comment **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | Author’s Feedback *(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** | This article provided a method for determining the polymer monomers in polyhydroxyalkanoates(PHA) using HPLC analysis. The authors claim that they can accurately quantify PHBV using quantification methods. |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | It is suitable based on the description made by the authors. |  |
| Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here. | The abstract of the article is sufficient. |  |
| **Is the manuscript scientifically, correct? Please write here.** | No specific international standards were referred to by the authors, i.e. ISO, ASTM, BS, etc. The authors need to ensure the method provided is up to international standards. It would be great if the authors could clarify this matter. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.**  **-** | The references are sufficient |  |
| Is the language/English quality of the article suitable for scholarly communications? | The English quality is good. However, there are a lot of typing errors, i.e., alcali – alkali. It would be great if the authors could re-read it again to update the typing errors. |  |
| Optional/General comments | * Figure 16, not sure, if the authors notice this, but the y-axis is written in Mandarin. * The list of materials in Section 3.1 should be listed with the CAS Number or Product Number |  |

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| **PART 2:** | | |
|  | **Reviewer’s comment** | **Author’s comment** *(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Are there ethical issues in this manuscript?** | *(If yes, Kindly please write down the ethical issues here in details)* |  |

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| **Reviewer Details:** | |
| Name: | **Muhammad Khusairy Bin Bakri** |
| Department, University & Country | **Washington State University, United States of America** |