# REVIEW 2

## Open Review

- ( ) I would not like to sign my review report
- (x) I would like to sign my review report

### English language and style

- ( ) Extensive editing of English language and style required
- (x) Moderate English changes required
- ( ) English language and style are fine/minor spell check required
- ( ) I don't feel qualified to judge about the English language and style

<table>
<thead>
<tr>
<th>Question</th>
<th>Yes</th>
<th>Can be improved</th>
<th>Must be improved</th>
<th>Not applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Does the introduction provide sufficient background and include all relevant references?</td>
<td>( )</td>
<td>(x)</td>
<td>(x)</td>
<td>( )</td>
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<tr>
<td>Is the research design appropriate?</td>
<td>(x)</td>
<td>(x)</td>
<td>(x)</td>
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<td>Are the methods adequately described?</td>
<td>(x)</td>
<td>(x)</td>
<td>(x)</td>
<td>( )</td>
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<tr>
<td>Are the results clearly presented?</td>
<td>(x)</td>
<td>(x)</td>
<td>(x)</td>
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<tr>
<td>Are the conclusions supported by the results?</td>
<td>(x)</td>
<td>(x)</td>
<td>(x)</td>
<td>( )</td>
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</tbody>
</table>

### Comments and Suggestions for Authors

I think this paper has a valuable message and should be published after suitable revision. Some of the problems are listed below:

1. I feel the introduction is very long and contains a lot of information about the hydro treating process that should either be shortened or simply referenced. I was wondering for a while if this was a review article instead of a research paper.

   - **Introduction shortened and changed.**

2. I would like to see the methods and materials section before the results so I could be sure what experiments were done in the study.

   - **Done**

3. Could the chromatography conditions be better specified in paragraph form? Similarly, could the samples and standard test methods be better documented in the results where these results were given?

   - **Added more information.**

4. If possible could the authors also provide ASTM methods if there is an equivalent?

   - **Added to table with standards.**

There are also areas where descriptions could be clarified. Some of these however will likely be changed based on the above comments.

- **Descriptions revised**