



SDI Review Form 1.6

Journal Name:	<u>International Research Journal of Pure and Applied Chemistry</u>
Manuscript Number:	2014_IRJPAC_10419
Title of the Manuscript:	Reversed phase HPLC-UV quantitation of BHA, BHT and TBHQ in food items sold in Bindura supermarkets
Type of the Article	

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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PART 1: Review Comments

	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)
Compulsory REVISION comments	The following changes/clarifications are recommended: - Title: instead of "Bindura supermarkets" you should say "in Zimbabwe" - Abstract: add after "bindura town", "(Zimbabwe)" - Abstract, change "bread spread" by "bread spreads" - Abstract, change "Methanol/acetonitrile" by "methanol/acetonitrile" - Abstract, reformulate and revise the following sentence "Levels of BHT ranged from 18.7 to 171.1 mg/kg while BHT ranged from 9.8 to 67.3 mg/kg." - Abstract, change "industrialist" by "food industry products" - Abstract, change "consumers may know" by "to ensure food safety" - Introduction, page 2, line 58, change "potatoes crisps" by "potato crisps" - Introduction, lines 66-67, reformulate the sentence "Therefore from this discourse it is apparent... very crucial" - Materials and methods, page 3, lines 80-81, you mention that you have analyzed 10 bread spreads but you say that they were 3 butters and 4 margarines (a total of 7 samples). Please revise. - Materials and methods, page 3, line 104, indicate the version of the software	This is a good reviewer Corrected Corrected Corrected Corrected Corrected Corrected Corrected



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	- Materials and methods, page 3, line 106, do you mean 5 μm instead of 5mm? - Materials and methods, page 3, line 118, the r^2 is the determination coefficient. Please indicate r^2 of the calibration curve instead of the correlation coefficient. - Results and discussion, page 3, lines 118-125, the data included in this paragraph could be given as a table. Results should be compared with those given by other authors. Also indicate the units of the limits of detection. - Figure 1, change the chromatogram in order to show a longer analysis time. No need of showing the menu (above) - Results and discussion, page 4, line 138, reformulate the sentence "Manufacturing country was as listed on the products" - Results and discussion, page 4, lines 145-146, correct the sentence "Levels of BHT ranged from 18.7 to 171.1 mg/kg while BHT ranged from 9.8 to 67.3 mg/kg." - Merge tables 1,2 and 3 and do not forget to mention the table in the text. Also samples should be numbered. - Conclusion, you could indicate in which % of samples have exceeded the EU and US limits. - References, check the list, I suppose that reference 20 in page 6 is reference 18.	Corrected Corrected Corrected
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<u>Minor</u> REVISION comments	Small grammatical errors have been detected along the text, so I would recommend that a native English speaker could revise the manuscript.	Corrected
<u>Optional/General</u> comments	The aim of this manuscript was to determine simultaneously three food antioxidants (BHA, BHT and TBHQ) in food items sold in Zimbabwe. The subject is interesting due to its health implications. However, the manuscript requires a major revision before being published by the International Research Journal of Pure and Applied Chemistry.	