



SDI Review Form 1.6

Journal Name:	Current Journal of Applied Science and Technology
Manuscript Number:	Ms_CJAST_35913
Title of the Manuscript:	Interaction of 2, 4-dinitrophenol (2, 4-DNP) and 2, 4, 6-trinitrophenol (2, 4, 6-TNP) with Metal Hexacyanoferrate (II) Complexes
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	1-The names metal (Ferrocyanide) is inaccurate, because it reflect that Fe valance is +2 which is not in some cases, In case of Sb (Fe has +3 valence . I suggest that the author/s check the chemical formula and write it correctly and name it according to IUPAC system. 2- Most of metal hexacyanometales are not easy to write a chemical formula. The written formula are wrong Cd₂[Fe(CN)₆] . XH₂O , and other formula has to be corrected. Example is CdK[Fe(CN)₆]. XH₂O would be more accurate than what is written. 3- The elemental analysis does not add to 100% where the rest of it and for what element? O????!! K ????? . 4-What is “interaction “between phenol and these salts? The Title highlighted this word but the article did not mention or explained it ? 5- What is the explanation of the effect of pH on adsorption of phenol on these materials? 6- lacking deep discussion and even description .	1& 2. It will be little difficult to give a correct formula for the complexes. I have given IUPAC name of complexes in the revised manuscript. 3. In analysis no potassium was detected therefore remaining part was oxygen. 4. Interaction word represent possible adsorptive bonding between phenols and metal hexacyanoferrates (II).One paragraph is included in the results and discussion portion of the revised manuscript regarding interaction of phenols with metal hexacyanoferrates (II). 5. Maximum adsorption of 2, 4-DNP (pKa = 3.96) and 2,4,6- TNP (Pka = 0.38) were found to be 4.0 and 2.0 , respectively. Which are near to their corresponding pKa values. Detailed explanation included in the Results and Discussion portion of revised manuscript. 6. Discussion and description are more elaborated to the best of my ability in the revised manuscript.
Minor REVISION comments		
Optional/General comments		