Review of: "Flame Photometry: For the Determination of Alkali Metals in Commercially Sold Fireworks"

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Potential competing interests: No potential competing interests to declare.

The manuscript describes flame photometry for the determination of alkali metals in commercially sold fireworks. Considering the serious topic of environmental and human health protection, the author has elaborated on the flame photometry trend of different alkali and alkali earth metals at different ppm. At present, fireworks pose a terrible threat to the environment in India and other countries, with varying consequences on human health. The author's work was initiated to provide a valid method for the determination of alkali and alkaline earth metals in fireworks samples through their results. Through the manuscript, the instrument showed an average deviation of about 7-8% and 3-4% for potassium and sodium, respectively, when the concentration of the respective metal nitrates was less than 50%. In fireworks, the percentage contribution of these metal nitrates is generally less than 50%; therefore, it can be easily used for the estimation of potassium and sodium salts in fireworks samples. The present work can contribute to the environment and human health. However, there are no comments from me before it is published: