

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.

1. The work is not novel.
2. How the output of flame photometry - light intensity - is connected to (ppm) is not mentioned.
3. In the methodology, the initial metal content/purity of procured raw material is not characterized.
4. The preparation of the sample involves filtration and dilution. When tested for known concentrations, samples were used to establish LOD and LOQ; the concentration in the sample to be tested could have been analyzed for better accuracy (here, known concentrations when first weighed are directly plotted against calculations done on the basis of flame photometry).
5. When tested for unknown samples, the final result would have been compared and validated by a known technique (ICP-AES, Raman) to support further reliability of this technique and the claims of the authors.
6. Supporting tables and relevant calculations are not included in the paper.