Supplementary Information: The Solid Solution between $NaClO_3$ and $NaBrO_3$ Revisited

Preferential orientation effect. Grinding by using a mortar and pestle does not change the theta positions of the X-ray diffraction peaks but has a great impact on the relative intensities of the diffraction peaks.

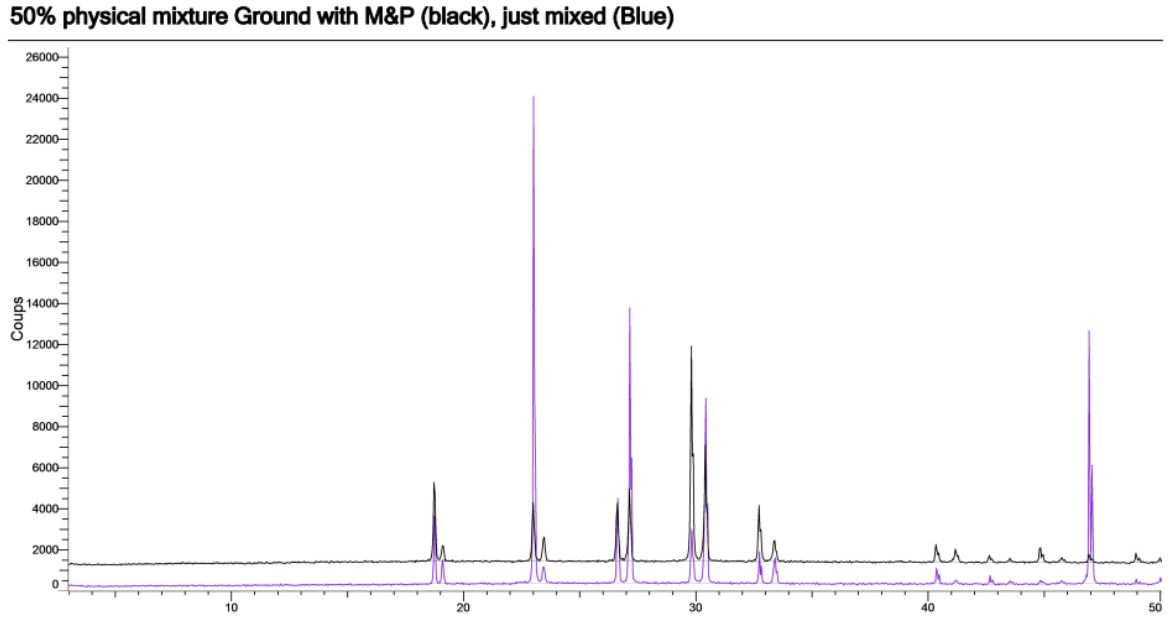


Figure S1. XRPD of ground $NaClO_3$/$NaBrO_3$ physical mixture (black) and XRPD of unground $NaClO_3$/$NaBrO_3$ physical mixture (blue);.

Table 1. Refined average parameter versus composition of the solid solution obtained by Spray-Drying with protocol 1.

% NaBrO3	a (Å)
0	6,5707
5	6,5773
10	6,5837
15	6,5884
17,5	6,5926
20	6,5962
25	6,6019
30	6,6064
35	6,615
40	6,6147
50	6,6297
60	6,6374
70	6,6503
80	6,6725
90	6,685
100	6,6994