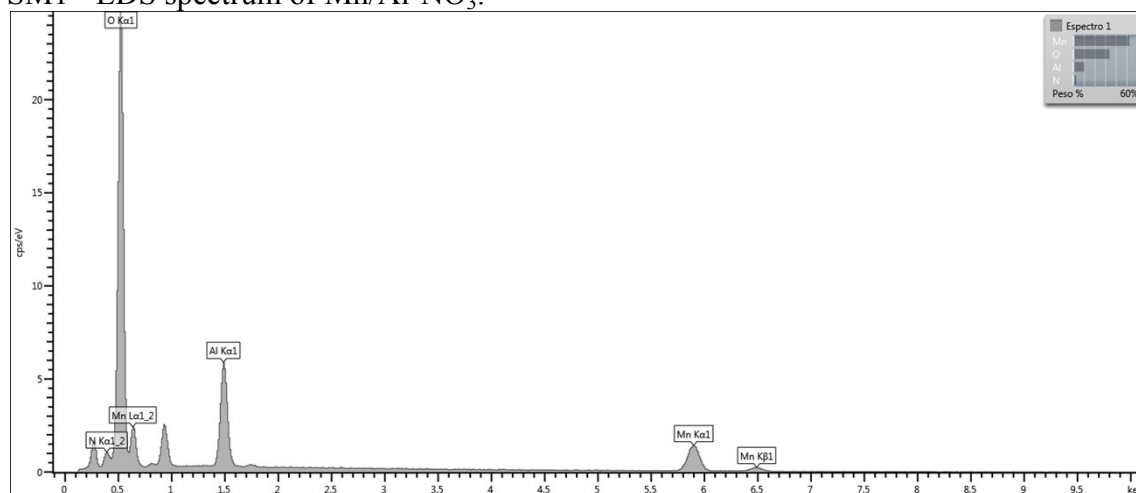
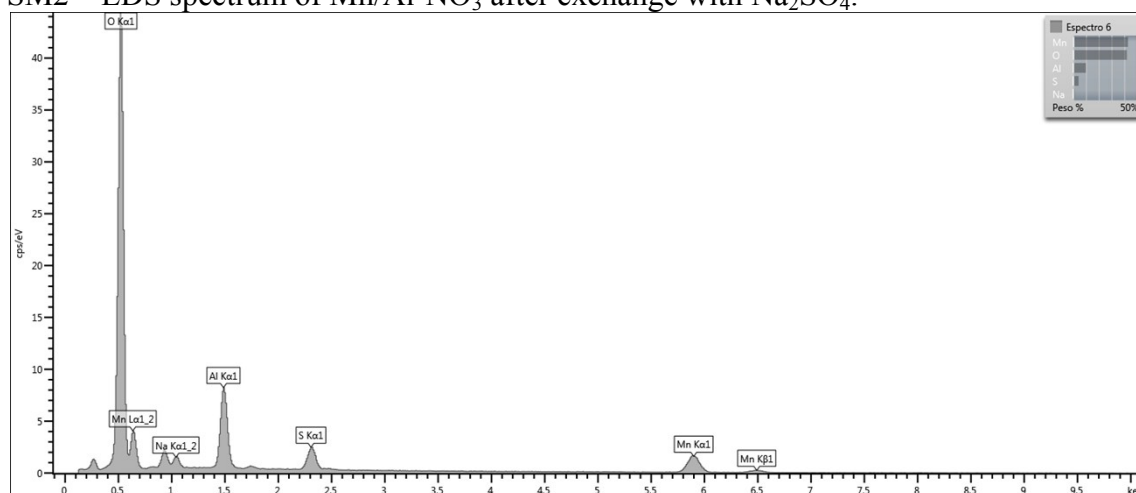


## Supplementary material

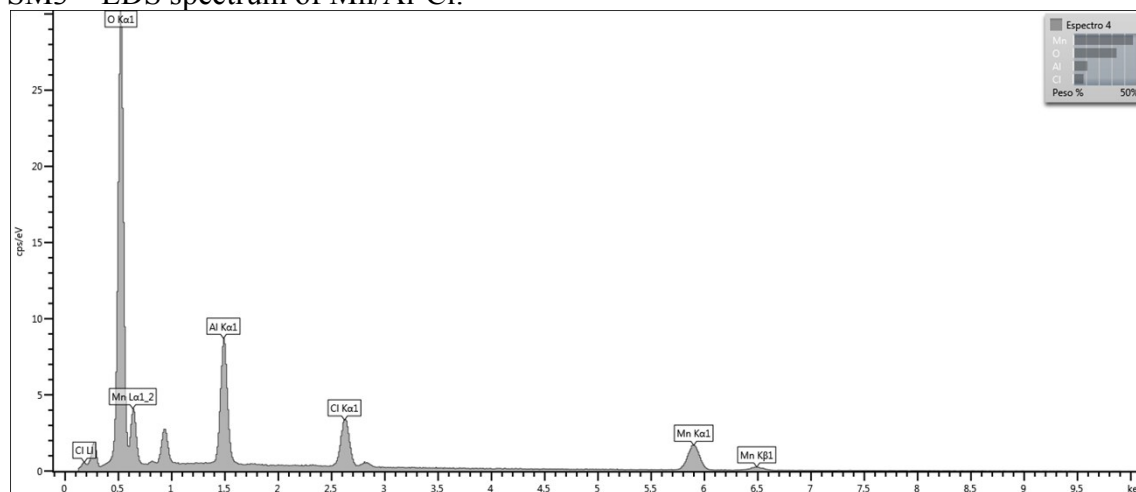
SM1 - EDS spectrum of Mn/Al-NO<sub>3</sub>.



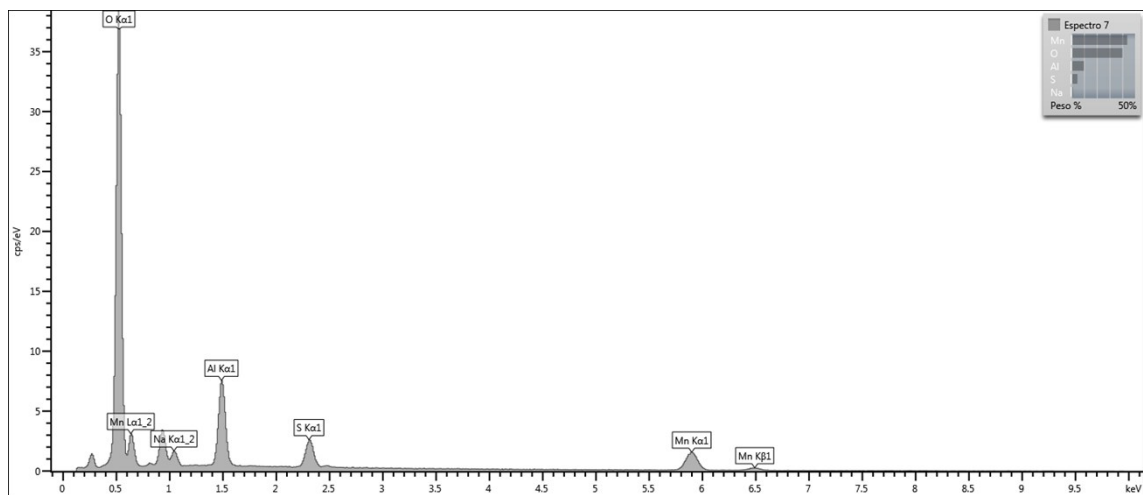
SM2 – EDS spectrum of Mn/Al-NO<sub>3</sub> after exchange with Na<sub>2</sub>SO<sub>4</sub>.



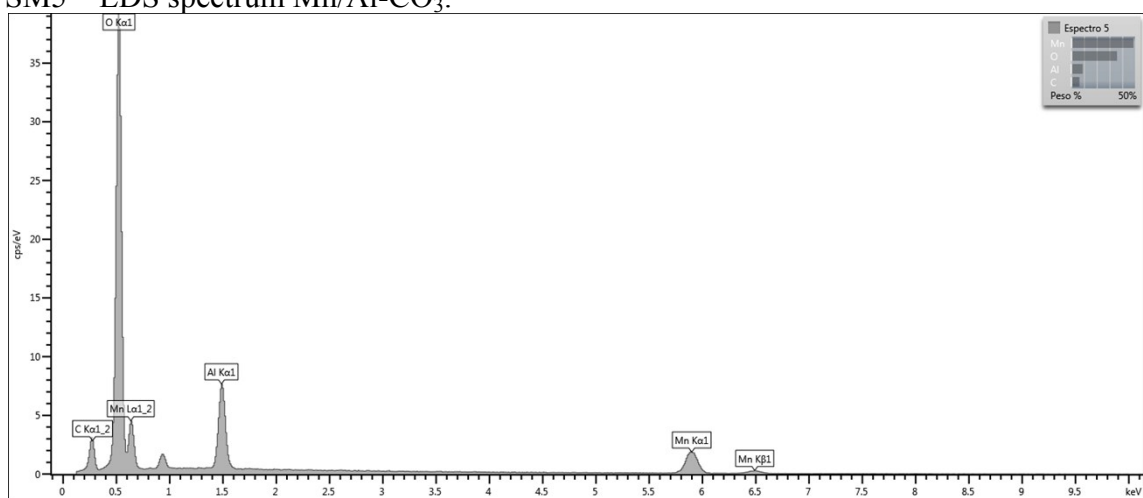
SM3 – EDS spectrum of Mn/Al-Cl.



SM4 – EDS spectrum of Mn/Al-Cl after exchange with Na<sub>2</sub>SO<sub>4</sub>.



SM5 – EDS spectrum Mn/Al-CO<sub>3</sub>.



SM6 – EDS spectrum of Mn/Al-CO<sub>3</sub> after exchange with Na<sub>2</sub>SO<sub>4</sub>.

