**Table. I:** Tolerance factor calculated using the ionic radii suggested in (Shannon, 1976).

|  |  |
| --- | --- |
| ***Compound*** | ***Tolerance factor*** |
| Sr2MnTeO6 | 0.9561 |
| Sr2Mn0.75Ni0.25TeO6 | 0.9641 |
| Sr2Mn0.5Ni0.5TeO6 | 0.9722 |
| Sr2Mn0.25Ni0.75TeO6 | 0.9805 |
| Sr2NiTeO6 | 0.9881 |