|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Table 1. Analysis of Single Cations by Six Chemical Methods | | | | | |
|  | Cations | | | | |
| Test Reagent | Ag+ | Pb2+ | Ni2+ | Ba2+ | Fe3+ |
| 1. Conc. NH4OH (NH3) |  |  |  |  |  |
| Products |  |  |  |  |  |
| 2. CrO42- |  |  |  |  |  |
| Products |  |  |  |  |  |
| 3a. SO42- |  |  |  |  |  |
| Products |  |  |  |  |  |
| 3b. Ppt. + H+ |  |  |  |  |  |
| Products |  |  |  |  |  |
| 4a. Cl- |  |  |  |  |  |
| Products |  |  |  |  |  |
| 4b. Ppt. + water + heat |  |  |  |  |  |
| Products |  |  |  |  |  |
| 4c. Super. + CrO42- |  |  |  |  |  |
| Products |  |  |  |  |  |
| 4d. Ppt. + Conc. NH3 (NH4OH) |  |  |  |  |  |
| Products |  |  |  |  |  |
| Test Reagent |  |  |  |  |  |
| 5a. OH- |  |  |  |  |  |
| Products |  |  |  |  |  |
| 5b. Ppt + Conc. NH3 |  |  |  |  |  |
| Products |  |  |  |  |  |
| 6a. OH- |  |  |  |  |  |
| Products |  |  |  |  |  |
| 6b. Ppt. + H+ |  |  |  |  |  |
| Products |  |  |  |  |  |
| c. SCN- |  |  |  |  |  |
| Products |  |  |  |  |  |