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| --- | --- | --- |
| Researchers | Systems | Ref. |
| Alisoglu and Necefoglu | Na+, Mn2+//NO3−, (H2PO2)−−H2O at 273.15 K | 9 |
| Alişoglu | K+, Mn2+//Br−, (H2PO2)−−H2O at 298.15 K | 11 |
| Alişoglu | Na+, Mn2+//Cl−, (H2PO2)−−H2O at 298.15 K | 8 |
| Alişoglu | Na+, Mn2+//Br−, (H2PO2)−−H2O at 298.15 K | 10 |
| Alisoglu and Adıguzel | K+, Mn2+/Br-, (H2PO2)-//H2O at 298.15 K | 12 |
| Erge et al. | Na+, Ba2+//(H2PO2)−−H2O at 273.15 K | 13 |
|  | Na+//Cl-, (H2PO2)−−H2O at 273.15 K | 13 |
|  | Ba2+//Cl−, (H2PO2)−−H2O at 273.15 K | 13 |
|  | Na+, Ba2+//Cl-, (H2PO2)−−H2O −H2O at 273.15 K | 13 |
| Adıguzel et al. | Na+, Zn2+//(H2PO2)−−H2O at 273.15 K | 14 |
|  | Zn2+//Cl−, (H2PO2)−−H2O at 273.15 K | 14 |
|  | Na+, Zn2+//Cl−, (H2PO2)−−H2O at 273.15 K | 14 |
| Demirci et al. | NaH2PO2−NaCl−H2O at 298.15 K | 15 |
|  | NaH2PO2−Zn(H2PO2)2−H2O at 298.15 K | 15 |
|  | NaCl−Zn(H2PO2)2−H2O at 298.15 K | 15 |
|  | NaH2PO2−NaCl−Zn(H2PO2)2−H2O at 298.15 K | 15 |
| Tan et. al. | Ca(H2PO2)2 − CaCl2 − H2O at 298.15 K | 18 |
|  | Ca(H2PO2)2−NaH2PO2−H2O at 298.15 K | 18 |
| Cao et al. | Ca(H2PO2)2 + CaCl2 + H2O at 323.15 K | 22 |
|  | Ca(H2PO2)2 + NaH2PO2 + H2O at 323.15 K | 22 |
| Gao et al. | Mg(H2PO2)2 + NaH2PO2 + H2O at 298 K | 20 |
|  | Mg(H2PO2)2 +MgCl2 + H2O at 298 K | 20 |
| Yin et al. | Ca(H2PO2)2 +CaCl2 + H2O | 19 |
|  | Ca(H2PO2)2 + NaH2PO2 + H2O | 19 |
| Shi et al. | Mg(H2PO2)2 + NaH2PO2 + H2O | 21 |
|  | Mg(H2PO2)2 + MgCl2 + H2O | 21 |

**Table I** SLE ternary and quaternary systems including H2PO2 ion