**Table IV** SLE data for the H2O-MnCl2-Mn(H2PO2)2 ternary system at 323.15 Ka.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Liquid Phase  mass% | | Solid Phase  (%mass) | | 100 *w* of salts in liquid phase | | *ρ*/ g cm-3 | Solid phaseb |
| No | MnCl2 | Mn(H2PO2)2 | MnCl2 | Mn(H2PO2)2 | MnCl2 | Mn(H2PO2)2 |  |  |
| 1A | 0.00 | 11.14 | 0.00 | 90.13 | 0.00 | 100 | 1.067 | H |
| 2 | 6.73 | 11.77 | 0.58 | 88.57 | 45.45 | 54.55 | 1.133 | H |
| 3 | 11.07 | 12.50 | 1.2 | 84.72 | 56.55 | 43.45 | 1.185 | H |
| 4 | 15.02 | 13.26 | 3.4 | 74.58 | 62.46 | 37.54 | 1.239 | H |
| 5 | 20.76 | 15.23 | 2.83 | 82.42 | 66.72 | 33.28 | 1.327 | H |
| 6E | 21.02 | 15.34 | 28.02 | 52.46 | 66.82 | 33.18 | 1.334 | H+M |
| 7E | 21.02 | 15.34 | 56.35 | 32.15 | 66.82 | 33.18 | 1.334 | H+M |
| 8 | 25.1 | 12.63 | 50.29 | 4.13 | 74.48 | 25.52 | 1.357 | M |
| 9 | 36.7 | 6.17 | 55.24 | 1.91 | 89.75 | 10.25 | 1.452 | M |
| 10 | 43.4 | 3.03 | 56.09 | 0.91 | 95.46 | 4.54 | 1.504 | M |
| 11F | 49.54 | 0.00 | 60.86 | 0.00 | 100 | 0.00 | 1.568 | M |

aStandard uncertainties *u* are *u*(*ρ*) = 0.001 g cm-3, *u*(*T*) = 0.05 K, *ur*(*P*)= 5 % and *u(w)*=0.01 *w*, bM - MnCl2.4H2O; H - Mn(H2PO2)2 H2O.