**Table 1**. Values of the zero-point charge for olivine obtained in this research and other studies.

|  |  |  |  |
| --- | --- | --- | --- |
| **Sample** | **Method** | ***z.p.c* value** | **Reference** |
| Forsterite | pH change | 10.14 | This study. |
| Forsterite | Titration curves | 7.8 | This study. |
| Forsterite-91 | pH change | 9.85 | *a* |
| Forsterite-91 | Potentiometric titration | 8.9 | *b* |
| Forsterite-91 (San Carlos) | Isoelectric point | 4.5 | *c* |
| Forsterite-91 (San Carlos) | Potentiometric titration | ~10 | *c* |
| -- | Isoelectric point | 4.38 | *d* |
| Forsterite (Gabbs, Nevada) | Isoelectric point | ~4 | *e* |
| Forsterite-91 (San Carlos) | Potentiometric titration | 8.8 | *f* |
| Forsterite-91 (San Carlos) | Isoelectric point | 4.2 | *f* |

Sources: (a) Souza *et al*.23, (b) Luce and Parks38, (c) Pokrovsky and Schott39, (d) Cárdenas-Espinosa and Vargas40, (e) Ney41; (f) Oelkers *et al*.42.