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|  | Analytical settings and standards used for WDX analysis by EPMA |
|  | JEOL 8530F, Accelerating voltage: 12 kV, Current: 20 nA |
|  | Element | X-ray Line | analysing crystal | Standard | On Peak Time |
|  |
|  | F | Kα |  LDE1 |  topaz | 20 |
|  | Na | Kα |  TAP |  jadeite | 10 |
|  | Mg | Kα |  TAP |  dolomite | 10 |
|  | Si | Kα |  TAP | plagioclase | 10 |
|  | P | Kα |  PETH | apatite | 10 |
|  | S | Kα |  PETH |  baryte | 10 |
|  | Ca | Kα |  PETH |  calcite | 10 |
|  | Mn | Kα |  LIFL |  rhodochrosite | 20 |
|  | Fe | Kα |  LIFL |  siderite | 20 |
|  | Sr | Lα |  TAP |  celestine | 10 |
|  | Ba | Lα |  PETH |  baryte | 30 |
|  | La | Lα |  LIFH |  monazite | 10 |
|  | Ce | Lα |  LIFH |  monazite | 10 |
|  | Nd | Lα |  LIFH |  monazite | 20 |
|  | Sm | Lα |  LIFH |  monazite | 20 |
|  |  |  |  |  |  |
|  | counting times on each background were half the on-peak time  |
|  | for analysis of calcite, dolomite-ankerite and carbocernaite  |  |
|  |  |  |  |  |  |