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|  | Analytical settings and standards used for WDX analysis by EPMA |
|  | JEOL 8530F, Accelerating voltage: 15 kV, Current: 20 nA |
|  | Element | X-ray Line | analysing crystal | Standard | On Peak Time |
|  |
|  | F | Kα |  LDE1 |  topaz | 100 |
|  | Na | Kα |  TAP |  jadeite | 20 |
|  | Mg | Kα |  TAP |  dolomite | 20 |
|  | Al | Kα |  TAP |  topaz | 20 |
|  | Si | Kα |  TAP |  K feldspar | 20 |
|  | P | Kα |  PETH | monazite | 30 |
|  | S | Kα |  PETH |  baryte | 30 |
|  | Cl | Kα |  PETH |  tugtupite | 30 |
|  | K | Kα |  PETH |  K feldspar | 20 |
|  | Ca | Kα |  PETH |  calcite | 20 |
|  | Mn | Kα |  LIFL |  rhodochrosite | 10 |
|  | Fe | Kα |  LIFL |  siderite | 10 |
|  | Sr | Lα |  TAP |  celestine | 100 |
|  | Y | Lα |  TAP |  xenotime | 120 |
|  | Ba | Lα |  PETH |  baryte | 60 |
|  | La | Lα |  LIFL |  monazite | 40 |
|  | Ce | Lα |  LIFL |  monazite | 40 |
|  | Pr | Lβ |  LIFH |  REE glass | 170 |
|  | Nd | Lα |  LIFL |  monazite | 40 |
|  | Sm | Lα |  LIFH |  REE glass | 40 |
|  | Gd | Lα |  LIFH |  REE glass | 60 |
|  | Tb | Lα |  LIFH |  REE glass | 60 |
|  | Dy | Lβ |  LIFL |  REE glass | 160 |
|  |  Yb  | Lα |  LIFL |  REE glass | 100 |
|  |  Pb  | Mα |  PETH |  vanadinite | 60 |
|  | Th | Mα |  PETH |  monazite | 120 |
|  | U | Mα |  PETH |  metal | 120 |
|  |  |  |  |  |  |
|  | counting times on each background were half the on-peak time  |
|  | for analysis of cordylite  |  |  |