

APPENDICE1

| Sigla campione | SiO2 | TiO2 | Al2O3 | Fe2O3 Tot | MnO | MgO | CaO | Na2O | K2O | P2O5 | L.O.I. |
|-----------------------|-------------|-------------|--------------|------------------|------------|------------|------------|-------------|------------|-------------|---------------|
| CEL1B | 58.39 | 1.23 | 16.833 | 9.243 | 0.128 | 4.089 | 3.359 | 2.328 | 2.489 | 0.041 | 1.87 |
| CPZ1A | 61.85 | 0.72 | 17.09 | 5.80 | 0.10 | 2.34 | 2.90 | 3.01 | 3.18 | 0.21 | 2.80 |
| ALB2 | 73.75 | 0.031 | 14.894 | 0.551 | 0.031 | 0.059 | 0.285 | 4.712 | 3.529 | 0.168 | 1.99 |
| ALB4 | 71.83 | 0.13 | 15.34 | 1.27 | 0.04 | 0.18 | 0.49 | 3.48 | 4.21 | 0.33 | 2.70 |
| TAV5 | 69.12 | 0.27 | 16.92 | 2.315 | 0.03 | 0.711 | 1.147 | 3.671 | 4.195 | 0.08 | 1.54 |
| TAV7 | 66.9 | 0.532 | 15.614 | 4.413 | 0.024 | 1.848 | 1.383 | 2.968 | 4.222 | 0.134 | 1.96 |
| TAV12 | 71.308 | 0.15 | 16.081 | 1.514 | 0.039 | 0.212 | 0.629 | 3.749 | 4.05 | 0.367 | 1.9 |
| CAR1 | 66.724 | 0.677 | 16.845 | 3.77 | 0.061 | 1.42 | 1.06 | 3.23 | 3.561 | 0.151 | 2.5 |
| SAL2 | 72.431 | 0.261 | 14.752 | 2.061 | 0.023 | 0.671 | 1.079 | 4.554 | 2.162 | 0.187 | 1.82 |
| SALV2 | 66.319 | 0.507 | 16.336 | 3.965 | 0.06 | 1.394 | 2.635 | 2.962 | 3.108 | 0.174 | 2.54 |
| CAS2 | 64.562 | 0.496 | 17.135 | 3.479 | 0.055 | 1.953 | 1.993 | 3.242 | 3.773 | 0.273 | 3.04 |
| CAS10 | 68.76 | 0.54 | 15.19 | 3.61 | 0.04 | 0.96 | 0.95 | 2.96 | 4.18 | 0.13 | 2.70 |
| CAS4 | 68.899 | 0.494 | 16.649 | 1.827 | 0.008 | 0.692 | 1.498 | 7.271 | 0.632 | 0.26 | 1.77 |
| CAS5 | 64.30 | 0.62 | 16.56 | 3.68 | 0.04 | 2.88 | 2.39 | 4.34 | 0.84 | 0.25 | 4.10 |

Tabella1: Analisi XRF su roccia totale degli elementi maggiori in campioni rappresentativi di para ed ortoderivati appartenenti all'Unità di Castagna (*Bulk Rock Composition*)

| Sigla campione | SiO2 | TiO2 | Al2O3 | FeO Tot | MnO | MgO | CaO | Na2O | K2O | P2O5 | L.O.I. | SUM |
|-----------------------|-------------|-------------|--------------|----------------|------------|------------|------------|-------------|------------|-------------|---------------|------------|
| CEL1B | 58.39 | 1.23 | 16.833 | 8.3187 | 0.128 | 4.089 | 3.359 | 2.328 | 2.489 | 0.041 | 1.87 | 99.0757 |
| CPZ1A | 61.85 | 0.72 | 17.09 | 5.2173 | 0.10 | 2.34 | 2.90 | 3.01 | 3.18 | 0.21 | 2.80 | 99.4213 |
| ALB2 | 73.75 | 0.031 | 14.894 | 0.4959 | 0.031 | 0.059 | 0.285 | 4.712 | 3.529 | 0.168 | 1.99 | 99.9449 |
| ALB4 | 71.83 | 0.13 | 15.34 | 1.1385 | 0.04 | 0.18 | 0.49 | 3.48 | 4.21 | 0.33 | 2.70 | 99.8735 |
| TAV5 | 69.12 | 0.27 | 16.92 | 2.0835 | 0.03 | 0.711 | 1.147 | 3.671 | 4.195 | 0.08 | 1.54 | 99.7675 |
| TAV7 | 66.9 | 0.532 | 15.614 | 3.9717 | 0.024 | 1.848 | 1.383 | 2.968 | 4.222 | 0.134 | 1.96 | 99.5567 |
| TAV12 | 71.308 | 0.15 | 16.081 | 1.3626 | 0.039 | 0.212 | 0.629 | 3.749 | 4.05 | 0.367 | 1.9 | 99.8476 |
| CAR1 | 66.724 | 0.677 | 16.845 | 3.393 | 0.061 | 1.42 | 1.06 | 3.23 | 3.561 | 0.151 | 2.5 | 99.622 |
| SAL2 | 72.431 | 0.261 | 14.752 | 1.8549 | 0.023 | 0.671 | 1.079 | 4.554 | 2.162 | 0.187 | 1.82 | 99.7949 |
| SALV2 | 66.319 | 0.507 | 16.336 | 3.5685 | 0.06 | 1.394 | 2.635 | 2.962 | 3.108 | 0.174 | 2.54 | 99.6035 |
| CAS2 | 64.562 | 0.496 | 17.135 | 3.1311 | 0.055 | 1.953 | 1.993 | 3.242 | 3.773 | 0.273 | 3.04 | 99.6531 |
| CAS10 | 68.76 | 0.54 | 15.19 | 3.2481 | 0.04 | 0.96 | 0.95 | 2.96 | 4.18 | 0.13 | 2.70 | 99.6401 |
| CAS4 | 68.899 | 0.494 | 16.649 | 1.6443 | 0.008 | 0.692 | 1.498 | 7.271 | 0.632 | 0.26 | 1.77 | 99.8173 |
| CAS5 | 64.30 | 0.62 | 16.56 | 3.3129 | 0.04 | 2.88 | 2.39 | 4.34 | 0.84 | 0.25 | 4.10 | 99.6319 |

Tabella2: Composizioni chimiche in termini di elementi maggiori dei suddetti campioni (*Bulk Rock Composition*) considerando tutto il Fe allo stato bivalente (FeO).

| Sigla campione | SiO2 | TiO2 | Al2O3 | FeO Tot | MnO | MgO | CaO | Na2O | K2O | P2O5 | L.O.I. | SUM |
|-----------------------|-------------|-------------|--------------|----------------|------------|------------|------------|-------------|------------|-------------|---------------|------------|
| CEL1B | 58.934734 | 1.241475 | 16.99004 | 8.396307 | 0.129194 | 4.127147 | 3.390337 | 2.349718 | 2.51222 | 0.041382 | 1.887446 | 100 |
| CPZ1A | 62.211015 | 0.728214 | 17.18445 | 5.247668 | 0.104605 | 2.351609 | 2.918892 | 3.028526 | 3.196498 | 0.212228 | 2.816298 | 100 |
| ALB2 | 73.790659 | 0.031017 | 14.90221 | 0.496173 | 0.031017 | 0.059033 | 0.285157 | 4.714598 | 3.530946 | 0.168093 | 1.991097 | 100 |
| ALB4 | 71.921981 | 0.133168 | 15.36143 | 1.139942 | 0.036046 | 0.177224 | 0.494626 | 3.488413 | 4.217335 | 0.326413 | 2.70342 | 100 |
| TAV5 | 69.281079 | 0.270629 | 16.95943 | 2.088355 | 0.03007 | 0.712657 | 1.149673 | 3.679555 | 4.204776 | 0.080186 | 1.543589 | 100 |
| TAV7 | 67.197888 | 0.534369 | 15.68353 | 3.989385 | 0.024107 | 1.856229 | 1.389158 | 2.981216 | 4.240799 | 0.134597 | 1.968727 | 100 |
| TAV12 | 71.416839 | 0.150229 | 16.10554 | 1.36468 | 0.03906 | 0.212324 | 0.62996 | 3.754722 | 4.056182 | 0.36756 | 1.9029 | 100 |
| CAR1 | 66.977174 | 0.679569 | 16.90892 | 3.405874 | 0.061231 | 1.425388 | 1.064022 | 3.242256 | 3.574512 | 0.151573 | 2.509486 | 100 |
| SAL2 | 72.579861 | 0.261536 | 14.78232 | 1.858712 | 0.023047 | 0.672379 | 1.081218 | 4.563359 | 2.166443 | 0.187384 | 1.82374 | 100 |
| SALV2 | 66.583002 | 0.509018 | 16.40103 | 3.582705 | 0.060239 | 1.399549 | 2.645489 | 2.973791 | 3.120372 | 0.174693 | 2.550111 | 100 |
| CAS2 | 64.786745 | 0.497727 | 17.19465 | 3.142 | 0.055191 | 1.959799 | 1.999938 | 3.253286 | 3.786134 | 0.27395 | 3.050582 | 100 |
| CAS10 | 69.012376 | 0.54195 | 15.24186 | 3.259832 | 0.044159 | 0.958449 | 0.949417 | 2.965673 | 4.19008 | 0.126455 | 2.709752 | 100 |
| CAS4 | 69.025109 | 0.494904 | 16.67947 | 1.64731 | 0.008015 | 0.693267 | 1.500742 | 7.284308 | 0.633157 | 0.260476 | 1.77324 | 100 |
| CAS5 | 64.540574 | 0.626305 | 16.61616 | 3.32514 | 0.036133 | 2.893652 | 2.393812 | 4.359046 | 0.846115 | 0.247913 | 4.115148 | 100 |

Tabella3: Analisi precedente degli elementi maggiori in campioni di para ed ortoderivati con valori riportati 100.