Systèmes de microanalyse X

BRUKER

1 1.01 **H** Hydrogène																	2 4.00 **He** Hélium
3 6.94 **Li** Lithium	4 9.01 **Be** Béryllium 0.108 (0.112)											5 10.81 **B** Bore 0.183 (0.188)	6 12.01 **C** Carbone 0.277 (0.284)	7 14.01 **N** Azote 0.392 (0.410)	8 16.00 **O** Oxygène 0.525 (0.543)	9 19.00 **F** Fluor 0.677 (0.697)	10 20.18 **Ne** Néon 0.849 (0.870)
11 22.99 **Na** Sodium 1.040 (1.071) (0.030)	12 24.31 **Mg** Magnésium 1.254 (1.303) (0.049)											13 26.98 **Al** Aluminium 1.486 (1.559) (0.072)	14 28.09 **Si** Silicium 1.740 (1.839) (0.099)	15 30.97 **P** Phosphore 2.010 (2.146) (0.135)	16 32.07 **S** Soufre 2.309 (2.472) 0.148 (Ll)	17 35.45 **Cl** Chlore 2.622 (2.822) 0.182 (Ll)	18 39.95 **Ar** Argon 2.958 (3.206) 0.219 (Ll)
19 39.10 **K** Potassium 3.314 (3.608) 0.290 (0.295)	20 40.08 **Ca** Calcium 3.692 (4.038) 0.341 (0.345)	21 44.96 **Sc** Scandium 4.093 (4.49) 0.395 (0.40)	22 47.88 **Ti** Titane 4.512 (4.97) 0.452 (0.454)	23 50.94 **V** Vanadium 4.953 (5.47) 0.510 (0.512)	24 52.00 **Cr** Chrome 5.415 (5.99) 0.572 (0.574)	25 54.94 **Mn** Manganèse 5.900 (6.54) 0.637 (0.64)	26 55.85 **Fe** Fer 6.405 (7.11) 0.705 (0.71)	27 58.93 **Co** Cobalt 6.931 (7.71) 0.775 (0.78)	28 58.70 **Ni** Nickel 7.480 (8.33) 0.849 (0.85)	29 63.55 **Cu** Cuivre 8.046 (8.98) 0.928 (0.93)	30 65.38 **Zn** Zinc 8.637 (9.66) 1.012 (1.02)	31 69.72 **Ga** Gallium 9.251 (10.37) 1.098 (1.12)	32 72.59 **Ge** Germanium 9.886 (11.10) 1.188 (1.22)	33 74.92 **As** Arsenic 10.54 (11.87) 1.282 (1.32)	34 78.96 **Se** Sélénium 11.22 (12.66) 1.379 (1.43)	35 79.90 **Br** Brome 11.92 (13.48) 1.481 (1.55)	36 83.80 **Kr** Krypton 12.65 (14.3) 1.585 (1.68)
37 85.47 **Rb** Rubidium 13.40 (15.20) 1.692 (1.804) 0.097 (Mζ)	38 87.62 **Sr** Strontium 14.17 (16.11) 1.806 (1.940) 0.114 (Mζ)	39 88.91 **Y** Yttrium 14.96 (17.04) 1.924 (2.08) 0.133 (Mζ)	40 91.22 **Zr** Zirconium 15.78 (18.00) 2.044 (2.22) 0.153 (Mζ)	41 92.91 **Nb** Niobium 16.62 (18.99) 2.169 (2.37) 0.172 (Mζ)	42 95.94 **Mo** Molybdène 17.48 (20.00) 2.292 (2.52) 0.194 (Mζ)	43 98.91 **Tc** Technétium 18.37 (21.04) 2.423 (2.68) 0.215 (Mζ)	44 101.07 **Ru** Ruthénium 19.28 (22.12) 2.558 (2.84) 0.238 (Mζ)	45 102.91 **Rh** Rhodium 20.22 (23.22) 2.697 (3.00) 0.261 (Mζ)	46 106.42 **Pd** Palladium 21.18 (24.35) 2.838 (3.17) 0.285 (Mζ)	47 107.87 **Ag** Argent 22.16 (25.51) 2.983 (3.35) 0.310 (Mζ)	48 112.41 **Cd** Cadmium 23.17 (26.71) 3.133 (3.54) 0.337 (Mζ)	49 114.82 **In** Indium 24.21 (27.94) 3.286 (3.73) 0.366 (Mζ)	50 118.69 **Sn** Etain 25.27 (29.20) 3.444 (3.93) 0.397 (Mζ)	51 121.75 **Sb** Antimoine 26.36 (30.49) 3.604 (4.13) 0.429 (Mζ)	52 127.60 **Te** Tellure 27.47 (31.81) 3.768 (4.34) 0.464 (Mζ)	53 126.90 **I** Iode 28.61 (33.17) 3.938 (4.56) 0.497 (Mζ)	54 131.30 **Xe** Xénon 29.78 (34.56) 4.11 (4.79) 0.525 (Mζ)
55 132.91 **Cs** Césium 30.973 (36.0) 4.285 (5.01) 0.568 (Mζ)	56 137.33 **Ba** Baryum 32.194 (37.4) 4.466 (5.25) 0.604 (Mζ)	57 138.91 **La** Lanthane 33.442 (38.9) 4.647 (5.48) 0.640 (Mζ)	72 178.49 **Hf** Hafnium 55.79 (65.35) 7.899 (9.56) 1.646	73 180.95 **Ta** Tantale 57.54 (67.42) 8.146 (9.88) 1.712	74 183.85 **W** Tungstène 59.32 (69.53) 8.398 (10.21) 1.775	75 186.21 **Re** Rhénium 61.14 (71.68) 8.652 (10.54) 1.843	76 190.20 **Os** Osmium 63.00 (73.87) 8.911 (10.87) 1.907	77 192.22 **Ir** Iridium 64.90 (76.11) 9.175 (11.22) 1.980	78 195.09 **Pt** Platine 66.83 (78.40) 9.442 (11.56) 2.050	79 196.97 **Au** Or 68.81 (80.73) 9.713 (11.92) 2.123	80 200.59 **Hg** Mercure 70.82 (83.10) 9.989 (12.28) 2.195	81 204.37 **Tl** Thallium 72.87 (85.53) 10.27 (12.7) 2.271	82 207.20 **Pb** Plomb 74.97 (88.01) 10.55 (13.04) 2.342	83 208.98 **Bi** Bismuth 77.11 (90.53) 10.84 (13.42) 2.423	84 208.98 **Po** Polonium 79.29 (93.11) 11.13 (13.81) 2.499	85 209.99 **At** Astate 81.52 (95.73) 11.43 (14.21) 2.577	86 222.02 **Rn** Radon 83.79 (98.4) 11.73 (14.62) 2.654
87 223.02 **Fr** Francium 86.11 (101.1) 12.03 (15.03) 2.732	88 226.03 **Ra** Radium 88.48 (103.9) 12.34 (15.44) 2.806	89 227.03 **Ac** Actinium 90.88 (106.8) 12.65 (15.87) 2.900															

58 140.12 **Ce** Cérium 34.720(40.44) 4.839 (5.723) 0.679 (Mζ)	59 140.91 **Pr** Praséodyme 36.03 (41.99) 5.035 (5.964) 0.712 (Mζ)	60 144.24 **Nd** Néodyme 37.36 (43.57) 5.228 (6.208) 0.753 (Mζ)	61 146.92 **Pm** Prométhium 38.73 (45.18) 5.432 (6.459) 0.790 (Mζ)	62 150.36 **Sm** Samarium 40.12 (46.83) 5.633 (6.716) 1.078	63 151.96 **Eu** Europium 41.54 (48.52) 5.849 (6.977) 1.131	64 157.25 **Gd** Gadolinium 43.00 (50.24) 6.053 (7.243) 1.181	65 158.93 **Tb** Terbium 44.48 (52.00) 6.273 (7.514) 1.240	66 162.50 **Dy** Dysprosium 46.00 (53.79) 6.498 (7.790) 1.293	67 164.93 **Ho** Holmium 47.55 (55.62) 6.720 (8.071) 1.348	68 167.26 **Er** Erbium 49.13 (57.49) 6.949 (8.358) 1.404	69 168.93 **Tm** Thulium 50.74 (59.39) 7.180 (8.648) 1.462	70 173.04 **Yb** Ytterbium 52.39 (61.33) 7.416 (8.944) 1.526	71 174.97 **Lu** Lutétium 54.07 (63.31) 7.655 (9.244) 1.580
90 232.04 **Th** Thorium 93.35 (109.7) 12.97 (16.30) 2.996	91 231.04 **Pa** Protactinium 95.87 (112.6) 13.29 (16.73) 3.082	92 238.03 **U** Uranium 98.44 (115.6) 13.61 (17.17) 3.171	93 237.05 **Np** Neptunium 101.06 (119) 13.95 (17.61) 3.250	94 244.06 **Pu** Plutonium 103.73 (122) 14.28 (18.06) 3.339	95 243.06 **Am** Américium 106.47 (125) 14.62 (18.51) 3.438	96 247.07 **Cm** Curium 109.098 14.961	97 247.07 **Bk** Berkélium 111.896 15.309	98 251.08 **Cf** Californium 114.745 15.661	99 252.08 **Es** Einsteinium 117.646 16.018	100 257.10 **Fm** Fermium	101 258.10 **Md** Mendélévium	102 259.10 **No** Nobélium	103 260.11 **Lr** Lawrencium

Z A
Elt
Nom
E Kα1 (Kab)
E Lα1 (Lab)
E Mα1

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