

Average Weighting When These Are The Two Main Elements In a Tie Particle

| | | <u>Mg</u> | <u>Mn</u> | <u>Mo</u> | <u>Na</u> | <u>Ni</u> | <u>P</u> | <u>Pb</u> | <u>Pd</u> | <u>S</u> |
|------------|----|----------------|----------------|----------------|----------------|---------------|---------------|----------------|----------------|---------------|
| Silver | Ag | | | | | | | | | |
| Aluminum | Al | | | | | | | | | |
| Gold | Au | | | | | | | | | |
| Barium | Ba | | | | | | | | | |
| Bismuth | Bi | | | | | | | | | |
| Bromine | Br | | | | | | | | | |
| Calcium | Ca | | | | | | | | | |
| Cadmium | Cd | | | | | | | | | |
| Cerium | Ce | | | | | | | | | |
| Chlorine | Cl | | | | | | | | | |
| Cobalt | Co | | | | | | | | | |
| Chromium | Cr | | | | | | | | | |
| Copper | Cu | | | | | | | | | |
| Fluorine | F | | | | | | | | | |
| Iron | Fe | | | | | | | | | |
| Mercury | Hg | | | | | | | | | |
| Potassium | K | | | | | | | | | |
| Lanthanum | La | | | | | | | | | |
| Magnesium | Mg | | | | | | | | | |
| Manganese | Mn | | | | | | | | | |
| Molybdenum | Mo | | | | | | | | | |
| Sodium | Na | | | | | | | | | |
| Nickel | Ni | Mg 89%, Ni 6% | Mn 56%, Ni 9% | Mo 93%, Ni 3% | Na 85%, Ni 8% | | | | | |
| Phosphorus | P | P 52%, Mg 20% | P 48%, Mn 47% | | P 68%, Na 19% | P 88%, Ni 0% | | | | |
| Lead | Pb | Pb 26%, Mg 24% | | | | Pb 84%, Ni 6% | Pb 78%, P 0% | | | |
| Palladium | Pd | Mg 83%, Pd 11% | | | Na 79%, Pd 16% | Ni 85%, Pd 8% | Pd 10%, P 0% | Pd 8%, Pb 0% | | |
| Sulfur | S | S 61%, Mg 18% | | Mo 85%, S 8% | S 52%, Na 28% | S 49%, Ni 18% | P 60%, S 13% | Pb 73%, S 12% | S 25%, Pd 20% | |
| Antimony | Sb | | | | Sb 100%, Na 0% | Sb 85%, Ni 7% | | Pb 56%, Sb 25% | Sb 92%, Pd 6% | Sb 71%, S 26% |
| Silicon | Si | Si 51%, Mg 31% | Si 48%, Mn 25% | Mo 65%, Si 20% | Si 89%, Na 5% | Si 90%, Ni 5% | Si 43%, P 27% | Pb 34%, Si 31% | Si 74%, Pd 10% | Si 58%, S 12% |
| Tin | Sn | | | | Sn 99%, Na 0% | Sn 93%, Ni 4% | Sn 69%, P 14% | Sn 49%, Pb 42% | Sn 84%, Pd 6% | Sn 81%, S 4% |
| Strontium | Sr | | | | | | | Pb 96%, Sr 2% | | Sr 77%, S 18% |
| Titanium | Ti | Ti 61%, Mg 25% | | Mo 82%, Ti 5% | Ti 100%, Na 0% | Ti 90%, Ni 5% | Ti 44%, P 31% | Ti 39%, Pb 32% | Ti 86%, Pd 8% | Ti 73%, S 8% |
| Vanadium | V | | | | | V 58%, Ni 28% | | | | V 29%, S 26% |
| Tungsten | W | | | | | W 92%, Ni 5% | | | | |
| Yttrium | Y | | | | | | | | Y 93%, Pd 7% | |
| Zinc | Zn | Zn 33%, Mg 19% | | | Zn 94%, Na 3% | Zn 91%, Ni 5% | Zn 36%, P 35% | Zn 57%, Pb 19% | Zn 66%, Pd 11% | Zn 59%, S 25% |
| Zirconium | Zr | | | | | | Zr 95%, P 2% | | | |