



## Aluminium Alloy Chemical Compositions (US Standard)

| ANSI   | UNS    | Si %      | Fe %      | Cu %       | Mn %      | Mg %       | Zn % | Ni %      | Ti %        | Pb %        | Al % |
|--------|--------|-----------|-----------|------------|-----------|------------|------|-----------|-------------|-------------|------|
| 201.2  | A02012 | 0.1       | 0.1       | 4.0 - 5.2  | 0.2 - 0.5 | 0.2 - 0.55 | -    | -         | -           | -           | BAL  |
| 204.2  | A02042 | 0.15      | 0.1 - 0.2 | 4.2 - 4.9  | 0.05      | 0.2 - 0.35 | 0.05 | 0.03      | 0.15 - 0.35 | -           | BAL  |
| 208.1  | A020B1 | 2.5 - 3.5 | 0.9       | 3.5 - 4.5  | 0.5       | 0.1        | 1.0  | 0.35      | 0.15 - 0.25 | -           | BAL  |
| 208.2  | A020B2 | 2.5 - 3.5 | 0.8       | 3.5 - 4.6  | 0.3       | 0.03       | 0.2  | -         | 0.25        | -           | BAL  |
| 222.1  | A02221 | 2.0       | 1.2       | 9.2 - 10.7 | 0.5       | 0.2 - 0.35 | 0.8  | 0.5       | 0.2         | -           | BAL  |
| 241.1  | A02421 | 0.7       | 0.8       | 3.5 - 4.5  | 0.35      | 1.3 - 1.8  | 0.35 | 1.7 - 2.3 | 0.25        | 0.25        | BAL  |
| 242.2  | A02422 | 0.6       | 0.6       | 3.5 - 4.5  | 0.1       | 1.3 - 1.8  | 0.1  | 1.7 - 2.3 | 0.25        | -           | BAL  |
| A242.1 | A12421 | 0.6       | 0.6       | 3.7 - 4.5  | 0.1       | 1.3 - 1.7  | 0.1  | 1.8 - 2.3 | 0.2         | 0.15 - 0.25 | BAL  |
| A242.2 | A12422 | 0.35      | 0.6       | 3.7 - 4.6  | 0.1       | 1.3 - 1.7  | 0.1  | 1.8 - 2.3 | 0.07 - 0.2  | 0.15 - 0.25 | BAL  |
| 295.1  | A02951 | 0.7 - 1.5 | 0.8       | 4.0 - 5.0  | 0.35      | 0.03       | 0.35 | -         | 0.07 - 0.2  | -           | BAL  |
| 295.2  | A02952 | 0.7 - 1.2 | 0.8       | 4.0 - 5.0  | 0.3       | 0.03       | 0.3  | -         | 0.25        | -           | BAL  |
| 296.1  |        | 2.0 - 3.0 | 0.9       | 4.0 - 5.0  | 0.35      | 0.05       | 0.5  | 0.35      | 0.2         | -           | BAL  |
| 296.2  |        | 2.0 - 3.0 | 0.8       | 4.0 - 5.0  | 0.3       | 0.03       | 0.3  | -         | 0.25        | -           | BAL  |
| 308.1  | A03081 | 5.6 - 6.0 | 0.8       | 4.0 - 5.0  | 0.5       | 0.1        | 1.0  | -         | 0.2         | -           | BAL  |
| 308.2  | A03082 | 5.0 - 6.0 | 0.8       | 4.0 - 5.0  | 0.3       | 0.1        | 0.5  | -         | 0.25        | -           | BAL  |
| 319.1  | A03191 | 5.5 - 6.5 | 0.8       | 3.0 - 4.0  | 0.5       | 0.1        | 1.0  | 0.35      | 0.2         | -           | BAL  |



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An ISO 9001:2015 Certified and Six Sigma Audited Company

| ANSI   | UNS    | Si %        | Fe %        | Cu %      | Mn %      | Mg %        | Zn % | Ni %      | Ti %       | Pb % | Al % |
|--------|--------|-------------|-------------|-----------|-----------|-------------|------|-----------|------------|------|------|
| 319.2  | A03192 | 5.5 - 6.5   | 0.6         | 3.0 - 4.0 | 0.1       | 0.1         | 0.1  | 0.1       | 0.25       | -    | BAL  |
| 328.1  | A03281 | 7.5 - 8.5   | 0.8         | 1.0 - 2.0 | 0.2 - 0.6 | 0.25 - 0.6  | 1.5  | 0.25      | 0.2        | 0.25 | BAL  |
| 332.1  | A03321 | 8.5 - 10.5  | 0.9         | 2.0 - 4.0 | 0.5       | 0.6 - 1.5   | 1.0  | 0.5       | 0.25       | -    | BAL  |
| 332.2  | A03322 | 8.5 - 10.0  | 0.6         | 2.0 - 4.0 | 0.1       | 0.9 - 1.3   | 0.1  | 0.1       | 0.25       | -    | BAL  |
| 333.1  | A03331 | 8.0 - 10.0  | 0.8         | 3.0 - 4.0 | 0.5       | 0.1 - 0.5   | 1.0  | 0.5       | 0.2        | -    | BAL  |
| 336.1  | A03361 | 11.0 - 13.0 | 0.9         | 0.5 - 1.5 | 0.35      | 0.8 - 1.3   | 0.35 | 2.0 - 3.0 | 0.25       | -    | BAL  |
| 336.2  | A03362 | 11.0 - 13.0 | 0.9         | 0.5 - 1.5 | 0.1       | 0.9 - 1.3   | 0.1  | 2.0 - 3.0 | -          | -    | BAL  |
| 354.1  | A03541 | 8.6 - 9.4   | 0.15        | 1.6 - 2.0 | 0.1       | 0.45 - 0.6  | 0.1  | -         | 0.2        | -    | BAL  |
| 355.1  | A03551 | 4.5 - 5.5   | 0.5         | 1.0 - 1.5 | 0.5       | 0.45 - 0.6  | 0.35 | -         | 0.25       | 0.25 | BAL  |
| 355.2  | A03552 | 4.5 - 5.5   | 0.14 - 0.25 | 1.0 - 1.5 | 0.05      | 0.5 - 0.6   | 0.05 | -         | 0.2        | -    | BAL  |
| C355.2 | A33552 | 4.5 - 5.5   | 0.13        | 1.0 - 1.5 | 0.05      | 0.5 - 0.6   | 0.05 | -         | 0.2        | -    | BAL  |
| 356.1  | A03561 | 6.5 - 7.5   | 0.5         | 0.25      | 0.35      | 0.25 - 0.45 | 0.35 | -         | 0.2        | -    | BAL  |
| 356.2  | A03562 | 6.5 - 7.5   | 0.13 - 0.25 | 0.1       | 0.05      | 0.3 - 0.45  | 0.05 | -         | 0.25       | -    | BAL  |
| 357.1  | A03571 | 6.5 - 7.5   | 0.12        | 0.05      | 0.03      | 0.45 - 0.6  | 0.05 | -         | 0.2        | -    | BAL  |
| A357.2 | A13570 | 6.5 - 7.5   | 0.12        | 0.1       | 0.05      | 0.45 - 0.7  | 0.05 | -         | 0.04 - 0.2 | -    | BAL  |
| 359.2  | A03592 | 8.5 - 9.5   | 0.12        | 0.1       | 0.1       | 0.55 - 0.7  | 0.1  | -         | 0.2        | -    | BAL  |
| 360.2  | A03602 | 9.0 - 10    | 0.7 - 1.1   | 0.1       | 0.1       | 0.45 - 0.6  | 0.4  | 0.1       | 0.15       | -    | BAL  |



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|--------|--------|------------|-----------|-----------|------|------------|------|------|------|------|------|
| A360   | A0360  | 9.0 - 10   | 1.3       | 0.6       | 0.35 | 0.4 - 0.6  | 0.5  | 0.5  | -    | -    | BAL  |
| A360.1 | A13601 | 9.0 - 10   | 1.0       | 0.6       | 0.1  | 0.45 - 0.6 | 0.4  | -    | -    | -    | BAL  |
| A360.2 | A13602 | 9.0 - 10   | 0.6       | 0.1       | 0.05 | 0.45 - 0.6 | 0.05 | -    | -    | -    | BAL  |
| 380.2  | A03802 | 7.5 - 9.5  | 0.7 - 1.1 | 3.0 - 4.0 | 0.1  | 0.1        | 0.1  | 0.1  | 0.1  | -    | BAL  |
| A380   | A0380  | 7.5 - 9.5  | 1.3       | 3.0 - 4.0 | 0.5  | 0.3        | 3.0  | 0.5  | 0.5  | -    | BAL  |
| A380.1 | A13801 | 7.5 - 9.5  | 1.0       | 3.0 - 4.0 | 0.5  | 0.1        | 2.9  | 0.5  | -    | -    | BAL  |
| A380.2 | A03602 | 7.5 - 9.5  | 0.6       | 3.0 - 4.0 | 0.1  | 0.1        | 0.1  | 0.1  | 0.1  | -    | BAL  |
| A383   | A0383  | 9.5 - 11.5 | 1.3       | 2.0 - 3.0 | 0.5  | 0.1        | 0.3  | 0.3  | -    | -    | BAL  |

**Note:** The above specification is for reference purposes only.