



High Purity Elements & Compounds

□ Zinc

Zinc is grey-blue color metal material. High purity zinc of 99.999%, 99.9999% and 99.99999% purity (5N 6N 7N) is primarily used in the manufacturing of compound semiconductors such as Cadmium Zinc Telluride (CdZnTe), ZnS, ZnSe etc, high purity alloys, reductant and in the application of precision casting in automobile industry etc.



| | |
|---------------|-----------|
| Zinc | Zn |
| Atomic No. | 30 |
| Atomic Weight | 65.39 |
| Density | 7.13g/cc |
| Melting Point | 419 ° C |
| Boiling Point | 907° C |
| CAS No. | 7440-66-6 |
| H.S Code | 7904.0000 |

| No | Item | Standard Specification | | | |
|----|-------------------------------|---|---------|----------|-------|
| 1 | Zinc ≥% | 99.999 | 99.9999 | 99.99999 | |
| 2 | Impurity | In/Al/Mg | 0.5 | 0.05 | 0.005 |
| | | As | 0.5 | 0.05 | - |
| | | Ag | 0.1 | 0.01 | 0.005 |
| | | Ni | 0.1 | 0.05 | 0.005 |
| | | Pb | 1.5 | 0.05 | 0.010 |
| | | Fe | 1.0 | 0.01 | 0.010 |
| | PPM _{wt} Max Each | Cd | 1.5 | 0.05 | - |
| | | Sn | 1.0 | 0.01 | 0.005 |
| | | Co/Sb | 0.1 | - | 0.005 |
| | | Bi | 0.1 | 0.01 | - |
| | | Cu | 0.5 | 0.03 | 0.001 |
| | | Cr | - | 0.02 | - |
| 3 | Size | ①5N 6N 100x50x18mm bar/ 1kg ②6N 7N 100g/500g rod ③ 7N 65x25x25mm bar/300g, D12xL25mm rod/14g, D15XL21mm rod /21g ④1-7mm shot | | | |
| 4 | Packing | 5N 1kg in plastic bag, 6N 7N in composite aluminum foil bag | | | |