

Grade Classification	Sn Content (Min)	Impurity Content (Max, Typical Value)	Application Fields
High-Purity Tin Ingot	99.999%	Pb≤0.0003%, Cu≤0.0002%, Fe≤0.0001%, As≤0.0001%, Sb≤0.0001%	Semiconductors, photovoltaic, aerospace
Premium Grade Tin Ingot	99.995%	Pb≤0.002%, Cu≤0.001%, Fe≤0.0005%, As≤0.0005%, Sb≤0.0005%	Precision electronic component soldering, high-end alloy manufacturing
Grade 1 Tin Ingot	99.99%	Pb≤0.005%, Cu≤0.002%, Fe≤0.001%, As≤0.001%, Sb≤0.001%	Solder production, conventional alloy processing, electroplating
Grade 2 Tin Ingot	99.90%	Pb≤0.05%, Cu≤0.02%, Fe≤0.01%, As≤0.01%, Sb≤0.01%	Chemical raw materials, tinplate coating, general mechanical parts
Recycled Tin Ingot	99.80%	Pb≤0.10%, Cu≤0.05%, Fe≤0.03%, As≤0.02%, Sb≤0.02%	Low-end alloy production, construction accessories