



9N-Cu

Features of High Purity Metals

- 1) Improvement in conductivity
- 2) Improvement in corrosion resistance
- 3) Improvement in processing characteristics
(brittleness, ductility)
- 4) Improvement in controllability by additional elements
(magnetic properties, oxidation resistance, mechanical property)
- 5) Suppression of alpha emissions
- 6) Larger crystal grains
- 7) lowering the crystallization temperature

Product list

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
H																	He
Li	Be											B	C	N	O	F	Ne
Na	Mg											Al 5N5 6N	Si	P	S	Cl	Ar
K	Ca	Sc	Ti 4N5 5N 5N5	V	Cr 4N	Mn 4N 5N	Fe 5N	Co 5N	Ni 5N 6N	Cu 6N 9N	Zn 6N	Ga	Ge	As	Se	Br	Kr
Rb	Sr	Y	Zr 4N 4N5	Nb	Mo 5N	Tc	Ru 5N	Rh	Pd	Ag 6N	Cd 6N	In 6N 7N	Sn 5N 6N	Sb	Te 5N 6N 7N	I	Xe
Cs	Ba	La	Hf 5N 6N	Ta 4N5 6N	W 5N 6N	Re	Os	Ir	Pt	Au	Hg	Tl	Pb	Bi 5N	Po	At	Rn

Product list

- 22 elements and more are available. Please ask us for details.
- The Purity is from 4N to 9N.
- 2x2x2mm cubes for the standard shape.
- Custom-made shapes are also available (Please ask us for details).
- Certificate of Analysis based on GDMS attached to every shipment.

Examples of impurities (Cu)

6N-Cu, 9N-Cu

Inclusions	(ppm-wt)	
	6N	9N
Fe	0.002 ~ 0.03	<0.001
Ni	0.001 ~ 0.01	<0.001
Ag	0.1 ~ 0.3	<0.005
Al	0.004 ~ 0.06	<0.001
Se	<0.01 ~ 0.2	<0.005
Si	0.05	<0.005
Sb	<0.02	<0.005
As	<0.005	<0.005
Pb	<0.001	<0.001
S	0.01	<0.005

Characteristics of Cu

- Higher reliability: Our Cu targets is made 6N-Cu.
- The highest purity for Cu is 9N (99.9999999%)

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