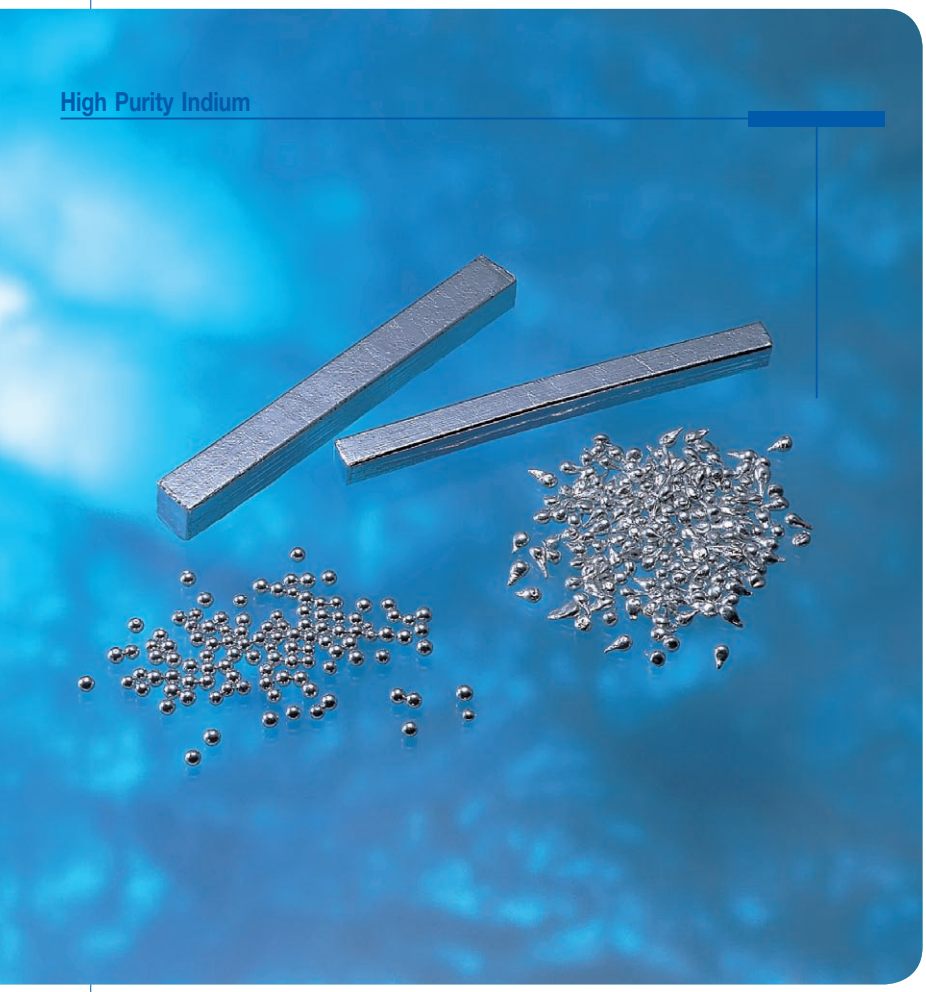
High Purity Metals

High Purity Indium

High Purity Cadmium

High Purity Tellurium



High Purity Indium

Grade (Density:7.31g/cm^3)

6N-S grade (Standard Grade)
6N-LS grade (Low Silicon Grade)
7N-HM grade (High Mobility Grade)
7N-SHM grade (Super High Mobility Grade)

Standard Specifications

Impurity levels

(ppmwt)

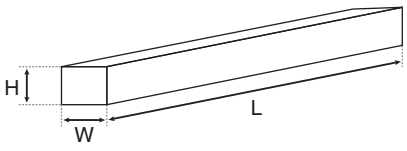
Grade \ Impurity	Si	Fe	Ni	Cu	Zn	Cd	Sn	Tl	Pb	Bi
6N-S	———	<0.1	<0.1	<0.1	<0.1	<0.05	<0.2	<0.03	<0.1	<0.02
6N-LS	<0.005	<0.05	<0.05	<0.05	<0.1	<0.01	<0.1	<0.03	<0.05	<0.02
7N-HM	<0.005	<0.05	<0.05	<0.05	<0.1	<0.01	<0.1	<0.03	<0.05	<0.02
7N-SHM	<0.005	<0.05	<0.05	<0.05	<0.1	<0.01	<0.1	<0.03	<0.05	<0.02

Analysis method : GDMS (Glow Discharge Mass Spectrometry)
FAAS (Flameless Atomic Absorption Spectrometry)

Form

1.Block (6N, 7N grade)

Grade	Width(mm)	Height(mm)	Length(mm)	Weight(g)
6N-S 6N-LS	5	approx. 5	5~170	1~ 30
	9	approx. 9	3~170	2~ 95
	12	approx.12	2~150	2~150
	12	approx.15	4~130	5~170
	15	approx.15	3~150	5~240
	18	approx.24	6~140	20~450
7N-HM	9	approx. 9	3~170	2~ 95
7N-SHM	12	approx.12	2~150	2~150



2.Shot (6N grade)

Shape	Diameter(mm ϕ)	Weight(g)
tear drop	approx. 4	0.2~0.6
round	approx. 4	0.2~0.6

3.Others

Others forms than the above sizes are available upon request.
Please contacts us for further details.

High Purity Cadmium

Grade (Density:8.65g/cm^3)

6N grade

7N grade

Standard Specifications

Impurity levels

(ppmwt)

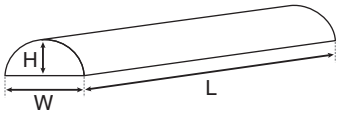
Grade \ Impurity	Zn	Fe	Ni	Ag	Tl	Pb	Bi	Cu	Sn
6N	＜0.1	＜0.1	＜0.01	＜0.03	＜0.01	＜0.01	＜0.01	＜0.01	＜0.1
7N	＜0.1	＜0.1	＜0.01	＜0.03	＜0.01	＜0.01	＜0.01	＜0.01	＜0.1

Analysis method : GDMS (Glow Discharge Mass Spectrometry)
FAAS (Flameless Atomic Absorption Spectrometry)

Form

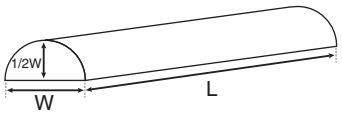
1.Ingot

Grade	Width(mm)	Height(mm)	Length(mm)	Weight(g)
6N	approx.45 approx.45	approx.15 approx.18	approx.120 approx.120	approx.500 approx.700
7N	40	approx.20	approx.180	Max.1,000



2.Block

Grade	Width(mm)	Height(mm)	Length(mm)	Weight(g)
6N, 7N	approx.10 approx.10 approx. 5	approx.12 approx.12 approx. 6	approx.100 approx. 34 approx. 98	approx.100 approx. 30 approx. 20



3.Shot

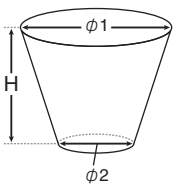
Grade
6N, 7N

4.Wire

Grade	Dia.(mm)	Length(mm)
6N, 7N	2 ϕ 3 ϕ	Max.200 Max.200

5.Crucible

Grade	ϕ1(mm)	ϕ2(mm)	Max.Height(mm)	Max.Weight(g)
6N, 7N	19 23	15 20	80 80	150 250



6.Others

Others forms than the above sizes are available upon request.
Please contacts us for further details.

High Purity Tellurium

Grade (Density:6.24g/cm^3)

6N grade

7N grade

Standard Specifications

Impurity levels

(ppmwt)

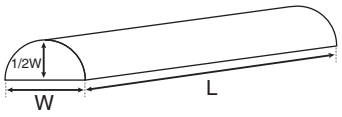
Grade \ Impurity	Na	Mg	Cu	Fe	Ag	Pb	Bi	Ni
6N	＜0.05	＜0.01	＜0.02	＜0.05	＜0.01	＜0.02	＜0.05	＜0.1
7N	＜0.05	＜0.01	＜0.02	＜0.05	＜0.01	＜0.02	＜0.05	＜0.1

Analysis method : GDMS (Glow Discharge Mass Spectrometry)
FAAS (Flameless Atomic Absorption Spectrometry)

Form

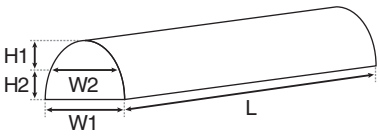
1.Ingot type Ⅰ

Grade	Width(mm)	Height(mm)	Length(mm)	Weight(g)
6N, 7N	approx.30 approx.40 approx.50	approx.15 approx.20 approx.25	approx. 80 approx.150 approx.200	approx. 100 approx. 500 approx.1,000



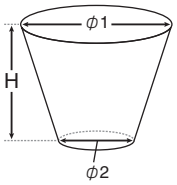
2.Ingot type Ⅱ

Grade	Width 1(mm)	Width 2(mm)	Height 1(mm)	Height 2(mm)	Length(mm)	Weight(g)
6N, 7N	approx.24 approx.24	approx.20 approx.20	approx.10 approx.10	approx.10 approx.10	approx.50 approx.55	approx.40 approx.60



3.Crucible

Grade	Type	ϕ1(mm)	ϕ2(mm)	Max.Height(mm)	Max.Weight(g)
6N, 7N	125 Type	19	15	80	110
	135 Type	23	20	80	180



4.Flake

Grade	Size(mm)
6N, 7N	1~7

5.Others

Others forms than the above sizes are available upon request.
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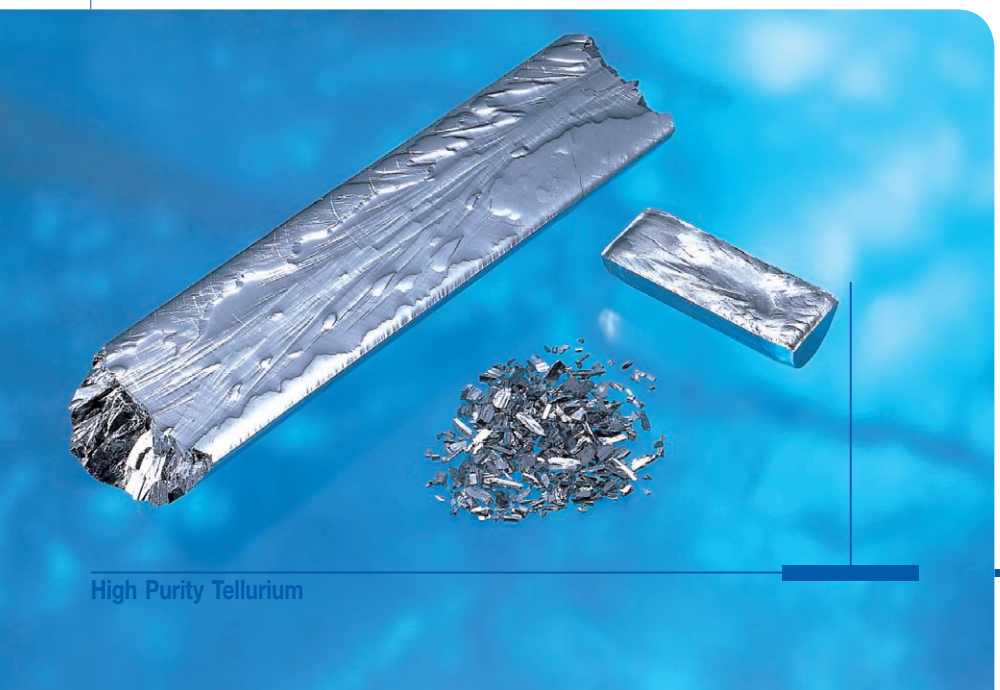
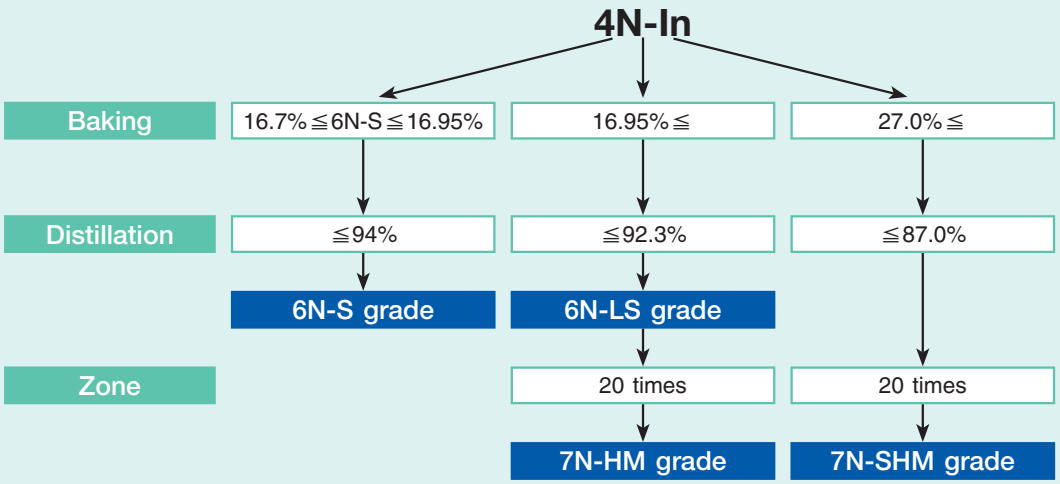
Export of High Purity Tellurium from Japan is subject to the approval of the Japanese Government due to the Japanese export regulation.

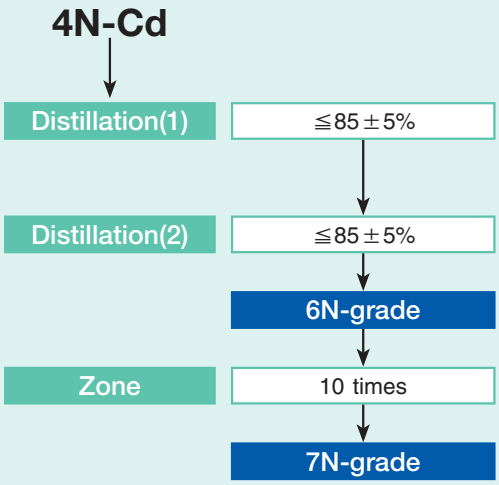


Appendix) Manufacturing Process

■High Purity Indium



■High Purity Cadmium



■High Purity Tellurium