

Металлы

Технические характеристики

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ALUMINIUM (FINE POWDER) 98% EXTRAPURE

Product Code.	00114	Grade	
Purity	Min. 99.7%	CAS No.	7429-90-5
Molecular Formula	Al	Molecular Weight	26.98
H.S.Code	7603.10100	Shelf Life	60 Months

Al

Physical Properties

Physical state at 20 °C	Solid	Colour	Grey powder	Odour	Odorless
Melting point/ Freezing point [°C]	660.37 °C	Auto-ignition temperature [°C]	760 °C	Boiling point [°C]	2327°C
Density [g/cm3]	2.7	Solubility in water [% weight]	Insoluble in water		

Packaging



Specification

Appearance	Gray powder
Assay	Min 98%
Silicon (Si)	Max 0.1%
Copper (Cu)	Max 0.02%

Nitrogen content (as N)	Max 0.001%
Insoluble in dil. HCl	Max 0.005%
Iron (Fe)	Max 0.1%
Manganese (Mn)	Max 0.02%
Titanium (Ti)	Max 0.03%

Safety Information and Hazard Symbols


Symbol: GHS02 Signal Word: Danger UN No.: 1396 IMCO Class No.: 4.3 Packing Group: II Hazardous Statement: H250-H261 Precaution Statement: P222-P231 + P232-P402+404

ALUMINIUM FOIL 99.5% AR
0.14 mm thickness, 76 mm width

Product Code.	00113	Grade	
Purity	Min. 99.9%	CAS No.	7429-90-5
Molecular Formula	Al	Molecular Weight	26.98
H.S.Code	7607.20900	Shelf Life	60 Months

Al

Physical Properties

Physical state at 20 °C	Solid	Colour	Silver grey metal	Odour	Odorless
Melting point/ Freezing point [°C]	660.37 °C	Auto-ignition temperature [°C]	760 °C	Boiling point [°C]	2327°C
Density [g/cm3]	2.7	Solubility in water [% weight]	Insoluble in water		

Packaging



Specification

Appearance	Silver grey metal foil
Assay (complexometric)	Min 99.5%
HCl insoluble matter	Max 0.005%
Nitrogen compounds (as N)	Max 0.002%

Silicon (Si)	Max 0.005%
Titanium (Ti)	Max 0.005%

Safety Information and Hazard Symbols


Symbol: GHS09 Signal Word: Warning Hazardous Statement: H400 Precaution Statement: P273

ALUMINIUM FOIL 99% EXTRAPURE

0.14 mm thickness, 76 mm width

Product Code.	00112	Grade	
Purity	Min. 99%	CAS No.	7429-90-5
Molecular Formula	Al	Molecular Weight	26.98
H.S.Code	7607.20900	Shelf Life	60 Months

Al

Physical Properties

Physical state at 20 °C	Solid	Colour	Silver grey metal	Odour	Odorless
Melting point/ Freezing point [°C]	660.37 °C	Auto-ignition temperature [°C]	760 °C	Boiling point [°C]	2327°C
Density [g/cm3]	2.7	Solubility in water [% weight]	Insoluble in water		

Packaging



Specification

Appearance	Silver grey metal foil
Assay (complexometric)	Min 99%

Safety Information and Hazard Symbols



Symbol: GHS09

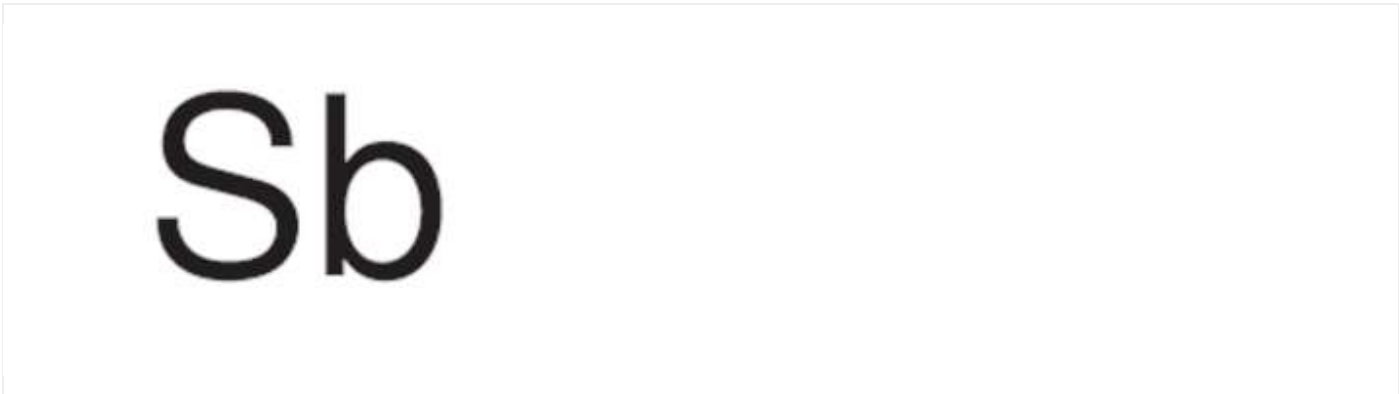
Signal Word: Warning

Hazardous Statement: H400

Precaution Statement: P273

ANTIMONY (METAL) LUMPS 99.5%

Product Code.	00285	Grade	
Purity	99.5%	CAS No.	7440-36-0
Molecular Formula	Sb	Molecular Weight	121.76
H.S.Code	8110.10000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Grayish black lumps	Melting point/ Freezing point [°C]	630 °C
Boiling point [°C]	1635°C	Density [g/cm3]	6.691	Solubility in water [% weight]	Insoluble in cold water

Packaging



Specification

Appearance	A lustrous black lumps
Assay	Min 99.5%
Lead (Pb)	Max 0.05%
Iron (Fe)	Max 0.01%

Copper (Cu)

Max 0.005%

Safety Information and Hazard Symbols



Symbol: GHS07, GHS09

Signal Word: Warning

UN No.: 2871

IMCO Class No.: 6.1

Packing Group: III

Hazardous Statement: H302-H332-H411

Precaution Statement: P273

ANTIMONY (METAL) POWDER 99%

Product Code.	00286	Grade	
Purity	99%	CAS No.	7440-36-0
Molecular Formula	Sb	Molecular Weight	121.76
H.S.Code	8110.10000	Shelf Life	60 Months

Sb

Physical Properties

Physical state at 20 °C	Solid	Colour	Grayish black powder	Melting point/ Freezing point [°C]	630 °C
Boiling point [°C]	1635°C	Density [g/cm3]	6.691	Solubility in water [% weight]	Insoluble in cold water

Packaging



Specification

Appearance	Grayish black powder with metallic luster
Assay	Min 99.0%
Lead (Pb)	Max 0.2%
Iron (Fe)	Max 0.05%

Copper (Cu)

Max 0.05%

Safety Information and Hazard Symbols



Symbol: GHS07, GHS09

Signal Word: Warning

UN No.: 2871

IMCO Class No.: 6.1

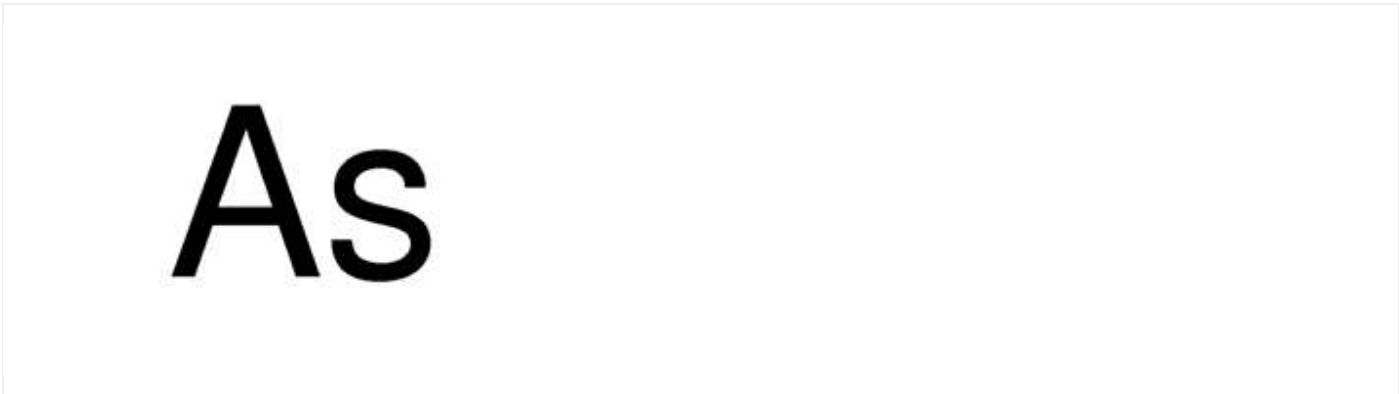
Packing Group: III

Hazardous Statement: H302-H332-H411

Precaution Statement: P273

ARSENIC METAL LUMPS 99.5%

Product Code.	00304	Grade	
Purity	99.5%	CAS No.	7440-38-2
Molecular Formula	As	Molecular Weight	74.92
H.S.Code	2804.80000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Grey	Odour	Odourless
Melting point/ Freezing point [°C]	817	Density [g/cm3]	5.727 at 25°C		

Packaging



Specification

Appearance	Grey color lumps
Assay	Min 99.5%

Safety Information and Hazard Symbols



Symbol: GHS06, GHS09

Signal Word: Danger

UN No.: 1558

IMCO Class No.: 6.1

Packing Group: II

Hazardous Statement: H301 + H331-H410

Precaution Statement: P273-P304 + P340-P308 + P310

Risk Statement: 23/25-50/53

Safety Statement: 20/21-28-45-60-61

BISMUTH (METAL) GRANULAR 99.5% EXTRAPURE

Product Code.	00424	Grade	
Purity	99.5%	CAS No.	7440-69-9
Molecular Formula	Bi	Molecular Weight	208.98
H.S.Code	8106.00100	Shelf Life	60 Months

Bi

Physical Properties

Physical state at 20 °C	Solid	Colour	Greyish white	Odour	Odorless
Melting point/ Freezing point [°C]	271 °C	Boiling point [°C]	1560 °C	Vapour pressure [20°C]	< 0.1 hPa at 20 °C
Density [g/cm3]	9.75	Solubility in water [% weight]	Insoluble in water		

Packaging



Specification

Appearance	Bright grey granules with metallic luster
Assay (complexometric)	Min 99.5%

BISMUTH (METAL) POWDER 99.9% AR

Product Code.	00425	Grade	
Purity	Min 99.9%	CAS No.	7440-69-9
Molecular Formula	Bi	Molecular Weight	208.98
H.S.Code	81060010.00000	Shelf Life	

Physical Properties

Packaging



Specification

Safety Information and Hazard Symbols

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BORON POWDER (AMORPHOUS) 99%

Amorphous powder.

Product Code.	00462	Grade	
Purity	99%	CAS No.	7440-42-8
Molecular Formula	B	Molecular Weight	10.81
H.S.Code	2804.50100	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Brownish black powder	Odour	Odorless
Melting point/ Freezing point [°C]	2300°C	Auto-ignition temperature [°C]	580°C	Boiling point [°C]	2550°C
Density [g/cm3]	2.37	Solubility in water [% weight]	Insoluble in water		

Packaging



Specification

Assay	Min 99%
Particle size	200 mesh

Safety Information and Hazard Symbols

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BRASS POWDER

Product Code.	00469	Grade	
Purity		CAS No.	63338-02-3
Molecular Formula		Molecular Weight	0.00
H.S.Code	74061000.00000	Shelf Life	

Physical Properties

Packaging



Specification

Safety Information and Hazard Symbols

CADMIUM (METAL) GRANULAR 99.9% AR

Product Code.	00596	Grade	AR
Purity	99.9%	CAS No.	7440-43-9
Molecular Formula	Cd	Molecular Weight	112.41
H.S.Code	8107.90100	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Silver gray granules	Odour	Odorless
Melting point/ Freezing point [°C]	320.9 °C	Boiling point [°C]	765 °C	Density [g/cm3]	8.64
Solubility in water [% weight]	Insoluble				

Packaging



Specification

Appearance	Silver gray granules
Assay	Min 99.9%

Safety Information and Hazard Symbols


Symbol: GHS06, GHS08, GHS09 Signal Word: Danger UN No.: 2570 IMCO Class No.: 6.1 Packing Group: I Hazardous Statement: H330-H341-H350-H361fd-H372-H410 Precaution Statement: P201-P260-P273-P281-P284-P310

CHROMIUM (METAL) POWDER

Product Code.	02915	Grade	
Purity	99%	CAS No.	7440-47-3
Molecular Formula	Cr	Molecular Weight	52.00
H.S.Code	8112.19000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Bright grey	Odour	Odorless
Melting point/ Freezing point [°C]	1900°C	Auto-ignition temperature [°C]	580°C	Boiling point [°C]	2642°C
Density [g/cm3]	7.14	Solubility in water [% weight]	Insoluble in water		

Packaging

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Specification

Appearance	Metallic grey powder
Assay	Min 99%

Safety Information and Hazard Symbols


Symbol: GHS09 Signal Word: Warning Hazardous Statement: H400 Precaution Statement: P273

COBALT (METAL) (CATHODE) 99% EXTRAPURE

Product Code.	00829	Grade	
Purity	99%	CAS No.	7440-48-4
Molecular Formula	Co	Molecular Weight	58.93
H.S.Code	8105.20100	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Dark grey fine powder	Melting point/ Freezing point [°C]	1493°C
Boiling point [°C]	3100°C	Density [g/cm3]	8.92	Solubility in water [% weight]	Insoluble in water
Partition coefficient Log Pow octanol / water at 20°C	5				

Packaging

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Specification

Appearance	Dark gray fine powder
Assay	Min 99%

Safety Information and Hazard Symbols


Symbol: GHS02, GHS08 Signal Word: Danger UN No.: 3089 IMCO Class No.: 4.1 Packing Group: II Hazardous Statement: H317-H334-H413 Precaution Statement: P261-P280-P342 + P311 Risk Statement: 11-42/43-53 Safety Statement: 22-24-37-61

COPPER (METAL) POWDER 98% ELECTROLYTIC (325 MESH)

Product Code.	00851	Grade	(325 Mesh) EL Grade
Purity	98%	CAS No.	7440-50-8
Molecular Formula	Cu	Molecular Weight	63.55
H.S.Code	7406.10000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Reddish Brown powder	Melting point/ Freezing point [°C]	1083°C
Boiling point [°C]	2595°C	Density [g/cm3]	8.94	Solubility in water [% weight]	Insoluble in water

Packaging

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Specification

Appearance	Reddish brown powder
Copper (Cu)	Min 98.0%
Acid insoluble matter	Max 0.1%
Particle size	- 45 micron (Min 90%)

Safety Information and Hazard Symbols

Symbol: GHS02, GHS09 Signal Word: Danger UN No.: 3089 IMCO Class No.: 4.1 Packing Group: II Hazardous Statement: H228-H400 Precaution Statement: P210-P273

COPPER (METAL) TURNINGS 99.5% EXTRAPURE

(Small Pieces)

Product Code.	00848	Grade	Extrapure
Purity	99.5%	CAS No.	7440-50-8
Molecular Formula	Cu	Molecular Weight	63.55
H.S.Code	7406.10000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Bright red turning	Melting point/ Freezing point [°C]	1083°C
Boiling point [°C]	2595°C	Density [g/cm3]	8.94	Solubility in water [% weight]	Insoluble in water

Specification

Appearance	Bright reddish metallic turnings
Assay	Min 99.5%
Substance insoluble in HNO3	Max 0.05%
Antimony (Sb)	Max 0.005%
Arsenic (As)	Max 0.0002%
Lead (Pb)	Max 0.05%
Iron (Fe)	Max 0.005%
Manganese (Mn)	Max 0.005%
Silver (Ag)	Max 0.005%
Tin (Sn)	Max 0.005%

Safety Information and Hazard Symbols

Symbol: GHS02, GHS09 Signal Word: Danger UN No.: 3089 IMCO Class No.: 4.1 Packing Group: II Hazardous Statement: H228-H400 Precaution Statement: P210-P273

COPPER FINE POWDER 99.7% AR (325 MESH)

Product Code.	00852	Grade	
Purity	99.7%	CAS No.	7440-50-8
Molecular Formula	Cu	Molecular Weight	63.55
H.S.Code	7406.10000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Reddish Brown powder	Melting point/ Freezing point [°C]	1083°C
Boiling point [°C]	2595°C	Density [g/cm3]	8.94	Solubility in water [% weight]	Insoluble in water

Packaging

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Specification

Appearance	Reddish brown powder
Assay	Min 99.7%
Substance insoluble in HNO3	Max 0.02%
Phosphorous (P)	Max 0.001%
Antimony (Sb)	Max 0.001%
Arsenic (As)	Max 0.0001%
Lead (Pb)	Max 0.01%
Iron (Fe)	Max 0.005%
Manganese (Mn)	Max 0.001%
Silver (Ag)	Max 0.002%
Tin (Sn)	Max 0.001%

Safety Information and Hazard Symbols



Symbol: GHS02, GHS09

Signal Word: Danger

UN No.: 3089

IMCO Class No.: 4.1

Packing Group: II

Hazardous Statement: H228-H400

Precaution Statement: P210-P273

COPPER FOIL (0.1 MM APPROX.) 99% EXTRAPURE

Approx. 0.1 mm

Product Code.	00849	Grade	
Purity	99%	CAS No.	7440-50-8
Molecular Formula	Cu	Molecular Weight	63.55
H.S.Code	7410.11000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Bright red foil	Melting point/ Freezing point [°C]	1083°C
Boiling point [°C]	2595°C	Density [g/cm3]	8.94	Solubility in water [% weight]	Insoluble in water

Packaging

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Specification

Appearance	Reddish foil
Assay (iodometric)	Min 99%

Safety Information and Hazard Symbols

COPPER FOIL (0.1 MM) 99.7% AR

Approx. 0.1 mm

Product Code.	00850	Grade	
Purity	99%	CAS No.	7440-50-8
Molecular Formula	Cu	Molecular Weight	63.55
H.S.Code	7410.11000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Bright red foil	Melting point/ Freezing point [°C]	1083°C
Boiling point [°C]	2595°C	Density [g/cm3]	8.94	Solubility in water [% weight]	Insoluble in water

Packaging

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Specification

Appearance	Reddish foil
Assay (iodometric)	Min 99.%
Substance insoluble in HNO3	Max 0.02 %
Ag (silver)	Max 0.002%
Arsenic (As)	Max 0.0002%
Iron (Fe)	Max 0.005%
Manganese (Mn)	Max 0.005%
Lead (Pb)	Max 0.05%
Antimony (Sb)	Max 0.005%
Tin (Sn)	Max 0.005%

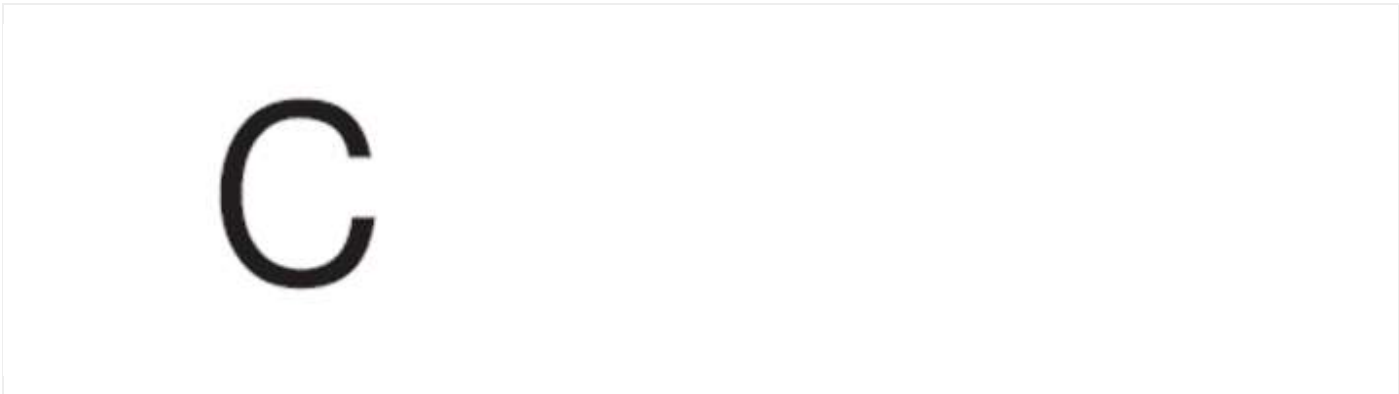
Safety Information and Hazard Symbols

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GRAPHITE FINE POWDER EXTRAPURE

Insoluble in water.

Product Code.	01305	Grade	
Purity	98%	CAS No.	7782-42-5
Molecular Formula	C	Molecular Weight	12.01
H.S.Code	3801.10000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Black amorphous powder	Odour	Odorless
Melting point/ Freezing point [°C]	3652 - 3697 °C	Critical temperature [°C]	681°C	Density [g/cm3]	1.9
Solubility in water [% weight]	Insoluble in water				

Packaging

Specification

Appearance	Black amorphous powder
Carbon (C)	Min 98%
Iron (Fe)	Max 0.4%
Sulphur (S)	Max 0.1%
Phosphorous (P)	Traces
Ash content	Max 0.7%

Particle size

-60 mesh

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

Hazardous Statement: H319-H335

Precaution Statement: P261-P305 + P351 + P338

IRON (METAL) FILINGS (100 MESH)

Mesh size Approx.100 Grease Free

Product Code.	01470	Grade	
Purity		CAS No.	7439-89-6
Molecular Formula	Fe	Molecular Weight	55.85
H.S.Code	7205.10190	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Black to grey	Odour	Odorless
Melting point/ Freezing point [°C]	1535°C	Boiling point [°C]	3000°C	Density [g/cm3]	7.86
Solubility in water [% weight]	Insoluble in water				

Packaging

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Specification

Appearance	Grayish fine, heavy filings
Mesh size	Min. 95.0% passing through 100 Mesh

Safety Information and Hazard Symbols


Symbol: GHS02 Signal Word: Danger UN No.: 3089 IMCO Class No.: 4.1 Packing Group: III Hazardous Statement: H228 Precaution Statement: P210

IRON (METAL) POWDER 99.5% ELECTROLYTIC (250-300 MESH)

250-300 mesh

Product Code.	01471	Grade	electrolytic grade
Purity	99%	CAS No.	7439-89-6
Molecular Formula	Fe	Molecular Weight	55.85
H.S.Code	7205.10190	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Black to grey	Odour	Odorless
Melting point/ Freezing point [°C]	1535°C	Boiling point [°C]	3000°C	Density [g/cm3]	7.86
Solubility in water [% weight]	Insoluble in water				

Packaging

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Specification

Appearance	Gray powder
Assay	Min 99.5%
Lead (Pb)	Max 0.002%
Insoluble matter in HCl	Max 0.05%
Arsenic (As)	Max 0.0005%
Copper (Cu)	Max 0.005%
Manganese (Mn)	Max 0.05%
Sulphide (S)	Max 0.02%
Nickel (Ni)	Max 0.05%
Zinc (Zn)	Max 0.01%

Safety Information and Hazard Symbols



Symbol: GHS02

Signal Word: Danger

UN No.: 3089

IMCO Class No.: 4.1

Packing Group: III

Hazardous Statement: H228

Precaution Statement: P210

LEAD (METAL) FOIL 99.8% AR

Product Code.	01510	Grade	
Purity	99.5%	CAS No.	7439-92-1
Molecular Formula	Pb	Molecular Weight	207.20
H.S.Code	7804.20000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Grey foil	Melting point/ Freezing point [°C]	327.4 °C
Boiling point [°C]	1740°C	Density [g/cm3]	11.3	Solubility in water [% weight]	Insoluble in water

Packaging

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Specification

Appearance	Gray colored foil
Assay (as Pb; on trace metal basis)	Min 99.5%

Safety Information and Hazard Symbols


Symbol: GHS07, GHS08, GHS09 Signal Word: Danger UN No.: 3077 IMCO Class No.: 9 Packing Group: III Hazardous Statement: H302-H332-H360Df-H373-H410 Precaution Statement: P201-P273-P308 + P313-P501

LEAD (METAL) GRANULAR 99.5% EXTRA PURE

Product Code.	01511	Grade	
Purity	99.5%	CAS No.	7439-92-1
Molecular Formula	Pb	Molecular Weight	207.20
H.S.Code	7804.20000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Grey powder	Melting point/ Freezing point [°C]	327.4 °C
Boiling point [°C]	1740°C	Density [g/cm3]	11.3	Solubility in water [% weight]	Insoluble in water

Packaging

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Specification

Appearance	A soft, bluish gray metal granules
Assay (complexometric)	Min 99.5%

Safety Information and Hazard Symbols


Symbol: GHS07, GHS08, GHS09 Signal Word: Danger UN No.: 3077 IMCO Class No.: 9 Packing Group: III Hazardous Statement: H302-H332-H360Df-H373-H410 Precaution Statement: P201-P273-P308 + P313-P501

LEAD (METAL) POWDER 99.5%

Product Code.	01512	Grade	
Purity	99.5%	CAS No.	7439-92-1
Molecular Formula	Pb	Molecular Weight	207.20
H.S.Code	7804.20000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Grey powder	Melting point/ Freezing point [°C]	327.4 °C
Boiling point [°C]	1740°C	Density [g/cm3]	11.3	Solubility in water [% weight]	Insoluble in water

Packaging

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Specification

Appearance	Grayish Black heavy powder
Assay	Min 99.5%

Safety Information and Hazard Symbols


Symbol: GHS07, GHS08, GHS09 Signal Word: Danger UN No.: 3077 IMCO Class No.: 9 Packing Group: III Hazardous Statement: H302-H332-H360Df-H373-H410 Precaution Statement: P201-P273-P308 + P313-P501

LITHIUM (METAL) 99% EXTRAPURE (COATED)
Wax coated

Product Code.	01545	Grade	
Purity	99%	CAS No.	7439-93-2
Molecular Formula	Li	Molecular Weight	6.94
H.S.Code	2805.19000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	silver white	Odour	Odorless
pH value	>12	Melting point/ Freezing point [°C]	180.5°C	Auto-ignition temperature [°C]	179°C
Boiling point [°C]	1317°C	Density [g/cm3]	0.5	Solubility in water [% weight]	Reacts violently with water

Packaging

Specification

Appearance	A silvery white metal
Lithium (Li)	Min 99%

Safety Information and Hazard Symbols


Symbol: GHS02, GHS05 Signal Word: Danger UN No.: 1415 IMCO Class No.: 4.3 Packing Group: I Hazardous Statement: H260-H314 Precaution Statement: P223-P231 + P232-P280-P305 + P351 + P338-P370 + P378-P422

MAGNESIUM (METAL) POWDER 99% EXTRAPURE

Product Code.	01579	Grade	
Purity	99%	CAS No.	7439-95-4
Molecular Formula	Mg	Molecular Weight	24.31
H.S.Code	8104.19000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Silver white	Odour	Odorless
Melting point/ Freezing point [°C]	648 °C	Auto-ignition temperature [°C]	473°C	Boiling point [°C]	1100°C
Density [g/cm3]	1.74	Solubility in water [% weight]	Insoluble in water		

Packaging

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Specification

Appearance	Silvery white metal powder
Assay	Min 99%
Iron (Fe)	Max 0.05%
Substance insoluble in HCl	Max 0.05%

Safety Information and Hazard Symbols


Symbol: GHS02 Signal Word: Danger UN No.: 1869 IMCO Class No.: 4.1 Packing Group: III Hazardous Statement: H250-H260 Precaution Statement: P222-P223-P231 + P232-P370 + P378-P422

MAGNESIUM (METAL) RIBBON 99.5% EXTRAPURE

Product Code.	01580	Grade	Extrapure
Purity	99.5%	CAS No.	7439-95-4
Molecular Formula	Mg	Molecular Weight	24.31
H.S.Code	8104.19000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Silver white	Odour	Odorless
Melting point/ Freezing point [°C]	648 °C	Auto-ignition temperature [°C]	473°C	Boiling point [°C]	1100°C
Density [g/cm3]	1.74	Solubility in water [% weight]	Insoluble in water		

Packaging

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Specification

Appearance	Silvery white ribbon
Assay	Min 99.5%
Substance insoluble in HCl	Max 0.05%
Lead (Pb)	Max 0.01%
Copper (Cu)	Max 0.005%
Iron (Fe)	Max 0.05%

Safety Information and Hazard Symbols


Symbol: GHS02 Signal Word: Danger UN No.: 1869 IMCO Class No.: 4.1 Packing Group: III Hazardous Statement: H250-H260 Precaution Statement: P222-P223-P231 + P232-P370 + P378-P422

MANGANESE (METAL) FLAKES 99% EXTRAPURE

Product Code.	01623	Grade	
Purity	99%	CAS No.	7439-96-5
Molecular Formula	Mn	Molecular Weight	54.94
H.S.Code	8111.00900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Bright silver grey	Melting point/ Freezing point [°C]	1260 °C
Boiling point [°C]	1900°C	Density [g/cm3]	7.3	Solubility in water [% weight]	Reacts with water

Packaging

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Specification

Appearance	Brownish black crystalline Powder
Assay	Min 99%

Safety Information and Hazard Symbols


Symbol: GHS02 Signal Word: Warning UN No.: 3089 IMCO Class No.: 4.1 Packing Group: III Hazardous Statement: H228 Precaution Statement: P260

MANGANESE POWDER 99% EXTRAPURE

Product Code.	01624	Grade	
Purity	99%	CAS No.	7439-96-5
Molecular Formula	Mn	Molecular Weight	54.94
H.S.Code	8111.00900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Bright silver grey	Melting point/ Freezing point [°C]	1260 °C
Boiling point [°C]	1900°C	Density [g/cm3]	7.3	Solubility in water [% weight]	Reacts with water

Packaging

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Specification

Appearance	Brownish black color crystalline powder.
Assay	Min 99%

Safety Information and Hazard Symbols


Symbol: GHS02 Signal Word: Warning UN No.: 3089 IMCO Class No.: 4.1 Packing Group: III Hazardous Statement: H228 Precaution Statement: P260

MERCURY (METAL) 99.5% AR

Triple distilled suitable for polarography.

Product Code.	01656	Grade	
Purity	99.5%	CAS No.	7439-97-6
Molecular Formula	Hg	Molecular Weight	200.59
H.S.Code	2805.40000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Silvery white	Odour	Odorless
Melting point/ Freezing point [°C]	-38.87 °C	Boiling point [°C]	356.6 °C	Evaporation rate	4
Vapour pressure [20°C]	< 0.01 hPa at 20 °C	Vapour density	6.93	Density [g/cm3]	13.55
Solubility in water [% weight]	Insoluble in water				

Packaging

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Specification

Appearance	Silvery white heavy metal
Assay	Min 99.5%
Nitric acid insoluble matter	Max 0.002%
Bismuth (Bi)	Max 0.00001%
Cadmium (Cd)	Max 0.00001%
Copper (Cu)	Max 0.00001%
Iron (Fe)	Max 0.00005%
Lead (Pb)	Max 0.00001%
Nickel (Ni)	Max 0.00001%
Silver (Ag)	Max 0.001%
Thallium (Tl)	Max 0.00005%
Zinc (Zn)	Max 0.00005%

Safety Information and Hazard Symbols



Symbol: GHS06, GHS08, GHS09

Signal Word: Danger

UN No.: 2809

IMCO Class No.: 8

Packing Group: III

Hazardous Statement: H330-H360D-H372-H410

Precaution Statement: P201-P260-P273-P284-P310-P501

MERCURY (METAL) 99% EXTRAPURE

Product Code.	01655	Grade	Extrapure
Purity	99%	CAS No.	7439-97-6
Molecular Formula	Hg	Molecular Weight	200.59
H.S.Code	2805.40000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Silvery white	Odour	Odorless
Melting point/ Freezing point [°C]	-38.87 °C	Boiling point [°C]	356.6 °C	Evaporation rate	4
Vapour pressure [20°C]	< 0.01 hPa at 20 °C	Vapour density	6.93	Density [g/cm3]	13.55
Solubility in water [% weight]	Insoluble in water				

Packaging

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Specification

Appearance	Silvery white heavy metal
Assay	Min 99%
Appearance of solution	Passes test
Identity	Passes test
Substance insoluble in HNO3	Max 0.002%

Safety Information and Hazard Symbols


Symbol: GHS06, GHS08, GHS09 Signal Word: Danger UN No.: 2809 IMCO Class No.: 8 Packing Group: III Hazardous Statement: H330-H360D-H372-H410 Precaution Statement: P201-P260-P273-P284-P310-P501

MERCURY AMMONIATED 98.3% EXTRA PURE

ammoniated mercury ,(ammonium mercuric chloride) (mercury (II) amido chloride)

Product Code.	01659	Grade	
Purity	98.3%	CAS No.	10124-48-8
Molecular Formula		Molecular Weight	0.00
H.S.Code	2852.10000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Odour	Odorless
Density [g/cm3]	5.4	Solubility in water [% weight]	Insoluble in water		

Packaging

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Specification

Appearance	White powder
Assay (acidimetric)	98.3 - 100%
Carbonate (as CO2)	Passes test
Mercury (I) salts (as Hg2Cl2)	Passes test
Residue on ignition	Max 0.2%

Safety Information and Hazard Symbols


Symbol: GHS06, GHS08, GHS09 Signal Word: Danger UN No.: 1630 IMCO Class No.: 6.1 Packing Group: II Hazardous Statement: H300-H310-H330-H373-H410 Precaution Statement: P260-P264-P273-P280-P284-P301 + P310

NICKEL (POWDER) 99.5% EXTRAPURE
200 mesh

Product Code.	01807	Grade	
Purity	99.5%	CAS No.	7440-02-0
Molecular Formula	Ni	Molecular Weight	58.71
H.S.Code	7504.00000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Greyish black powder	Odour	Odorless
pH value	9 - 11 at 20 °C	Melting point/ Freezing point [°C]	1455°C	Auto-ignition temperature [°C]	87 °C
Boiling point [°C]	2730°C	Density [g/cm3]	8.098	Solubility in water [% weight]	Insoluble in water

Packaging

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Specification

Appearance	A grayish black powder
Assay	Min 99.5%
Iron (Fe)	Max 0.01%
Sulphur (S)	Max 0.001%
Carbon (C)	Max 0.08%

Safety Information and Hazard Symbols


Symbol: GHS07, GHS08 Signal Word: Danger UN No.: 3089 IMCO Class No.: 4.1 Packing Group: II Hazardous Statement: H317-H351-H372-H412 Precaution Statement: P273-P280-P314

NICKEL FOIL 99.9%

Product Code.	01808	Grade	
Purity	99.9%	CAS No.	7440-02-0
Molecular Formula	Ni	Molecular Weight	58.71
H.S.Code	7504.00000	Shelf Life	60 Months

Physical Properties

Packaging

Specification

Appearance	Gray color foil
Assay (trace metal basis)	Min 99.9%
Trace metal analysis	Max 1000 ppm

Safety Information and Hazard Symbols



Symbol: GHS07, GHS08
Signal Word: Danger
Hazardous Statement: H317-H351-H372
Precaution Statement: P280-P314
Risk Statement: 40-43-48/23
Safety Statement: 36/37/39-45

PHOSPHORUS RED 98% FOR SYNTHESIS

Product Code.	02013	Grade	For Synthesis
Purity	97%	CAS No.	7723-14-0
Molecular Formula	P	Molecular Weight	30.97
H.S.Code	2804.70200	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Red powder	Melting point/ Freezing point [°C]	280 °C
Auto-ignition temperature [°C]	260°C	Vapour pressure [20°C]	0.04 hPa at 20 °C	Density [g/cm3]	2.34
Solubility in water [% weight]	Insoluble in water				

Packaging

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Specification

Appearance	Red powder
Assay (as P)	Min 98%

Safety Information and Hazard Symbols


Symbol: GHS02 Signal Word: Danger UN No.: 1338 IMCO Class No.: 4.1 Packing Group: III Hazardous Statement: H228-H412 Precaution Statement: P210-P273

SELENIUM METAL PELLETS 99.999% ELECTRONIC GRADE

Product Code.	02287	Grade	Electronic Grade
Purity	99.99%	CAS No.	7782-49-2
Molecular Formula	Se	Molecular Weight	78.96
H.S.Code	2804.90000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Black pellets	Odour	Odorless
Melting point/ Freezing point [°C]	217 °C	Boiling point [°C]	685 °C	Density [g/cm3]	4.81
Solubility in water [% weight]	Insoluble in water				

Packaging

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Specification

Appearance	Gray to black pellets
Assay (trace metal basis)	Min 99.999%
Trace metal analysis	Max 0.001%

Safety Information and Hazard Symbols


Symbol: GHS06, GHS08 Signal Word: Danger UN No.: 3077 IMCO Class No.: 9 Packing Group: III Hazardous Statement: H301-H331-H373-H413 Precaution Statement: P261-P301 + P310-P311

SELENIUM POWDER BLACK 99.5% EXTRAPURE

Product Code.	02288	Grade	Extrapure
Purity	99%	CAS No.	7782-49-2
Molecular Formula	Se	Molecular Weight	78.96
H.S.Code	2804.90000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Black powder	Odour	Odorless
Melting point/ Freezing point [°C]	217 °C	Boiling point [°C]	685 °C	Density [g/cm3]	4.81
Solubility in water [% weight]	Insoluble in water				

Packaging

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Specification

Appearance	Gray to black powder
Assay (by HClO4 titration)	Min 99%
Trace metal analysis	Max 0.5%

Safety Information and Hazard Symbols


Symbol: GHS06, GHS08 Signal Word: Danger UN No.: 3077 IMCO Class No.: 9 Packing Group: III Hazardous Statement: H301-H331-H373-H413 Precaution Statement: P261-P301 + P310-P311

SELENIUM POWDER BLACK 99.9% AR

Product Code.	02289	Grade	
Purity	99.5%	CAS No.	7782-49-2
Molecular Formula	Se	Molecular Weight	78.96
H.S.Code	2804.90000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Black powder	Odour	Odorless
Melting point/ Freezing point [°C]	217 °C	Boiling point [°C]	685 °C	Density [g/cm3]	4.81
Solubility in water [% weight]	Insoluble in water				

Packaging

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Specification

Appearance	Gray to black powder
Assay (by HClO4 titration)	Min 99.5%
Trace metal analysis	Max 0.1%

Safety Information and Hazard Symbols


Symbol: GHS06, GHS08 Signal Word: Danger UN No.: 3077 IMCO Class No.: 9 Packing Group: III Hazardous Statement: H301-H331-H373-H413 Precaution Statement: P261-P301 + P310-P311

SILICON (METAL) POWDER 98.5% EXTRA PURE

Product Code.	02309	Grade	
Purity	98.5%	CAS No.	7440-21-3
Molecular Formula	Si	Molecular Weight	28.09
H.S.Code	2804.69000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Blackish grey powder	Odour	Odorless
Melting point/ Freezing point [°C]	1410°C	Auto-ignition temperature [°C]	780°C	Boiling point [°C]	2355°C
Density [g/cm3]	2.33	Solubility in water [% weight]	Insoluble in water		

Packaging

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Specification

Appearance	Blackish gray colored powder
Assay	Min 98.5%

Safety Information and Hazard Symbols


Symbol: GHS02 Signal Word: Warning UN No.: 1346 IMCO Class No.: 4.1 Packing Group: III Hazardous Statement: H228 Precaution Statement: P210

SILVER (METAL) POWDER 99.9%

Product Code.	02315	Grade	
Purity	99.9%	CAS No.	7440-22-4
Molecular Formula	Ag	Molecular Weight	107.87
H.S.Code	7106.10000	Shelf Life	36 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Grey powder	Odour	Odorless
Melting point/ Freezing point [°C]	960 °C	Boiling point [°C]	2212 °C	Density [g/cm3]	10.49
Solubility in water [% weight]	Insoluble in water				

Packaging

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Specification

Appearance	A gray powder
Assay	Min 99.9%

Safety Information and Hazard Symbols

SILVER (METAL) WIRE 99.9% EXTRAPURE
Thickness 1 mm

Product Code.	02316	Grade	Extrapure
Purity	99.9%	CAS No.	7440-22-4
Molecular Formula	Ag	Molecular Weight	107.87
H.S.Code	7106.10000	Shelf Life	36 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Grey wire or silver colour wire	Odour	Odorless
Melting point/ Freezing point [°C]	960 °C	Boiling point [°C]	2212 °C	Density [g/cm3]	10.49
Solubility in water [% weight]	Insoluble in water				

Packaging

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Specification

Appearance	A gray wire or silver colour wire.
Assay	Min 99.9%

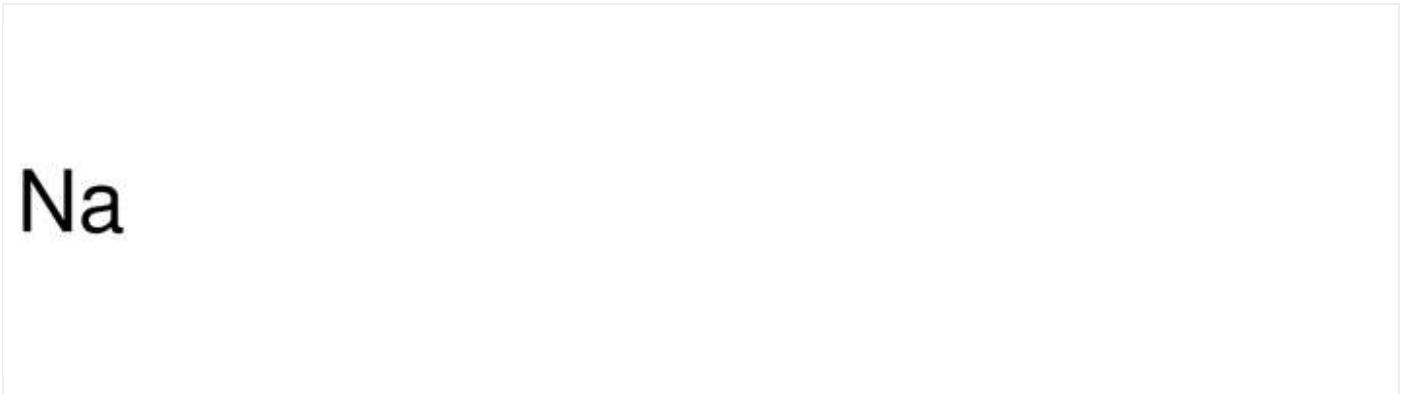
Safety Information and Hazard Symbols

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SODIUM (METAL) 98% EXTRAPURE (COATED WITH LIQUID PARAFFIN)

Coated with liquid paraffin

Product Code.	02341	Grade	
Purity	98%	CAS No.	7440-23-5
Molecular Formula	Na	Molecular Weight	22.99
H.S.Code	2805.11000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Silvery white	Odour	Odorless
Melting point/ Freezing point [°C]	97.8 °C	Auto-ignition temperature [°C]	> 115°C	Flash point [°C]	82 °C
Boiling point [°C]	883 °C	Vapour density	0.003	Density [g/cm3]	0.968
Solubility in water [% weight]	Decomposes violently in water				

Packaging

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Specification

Appearance	Silvery white soft, waxy surface
Assay (as Na)	Min 98%
Melting point	About 97 deg C
Chlorine and bromine (as Cl)	Max 0.002%
Sulphur (S)	Max 0.003%

Barium (Ba)	Max 0.0005%
Boron (B)	Max 0.0005%
Calcium (Ca)	Max 0.001%
Lithium (Li)	Max 0.002%
Silver (Ag)	Max 0.002%

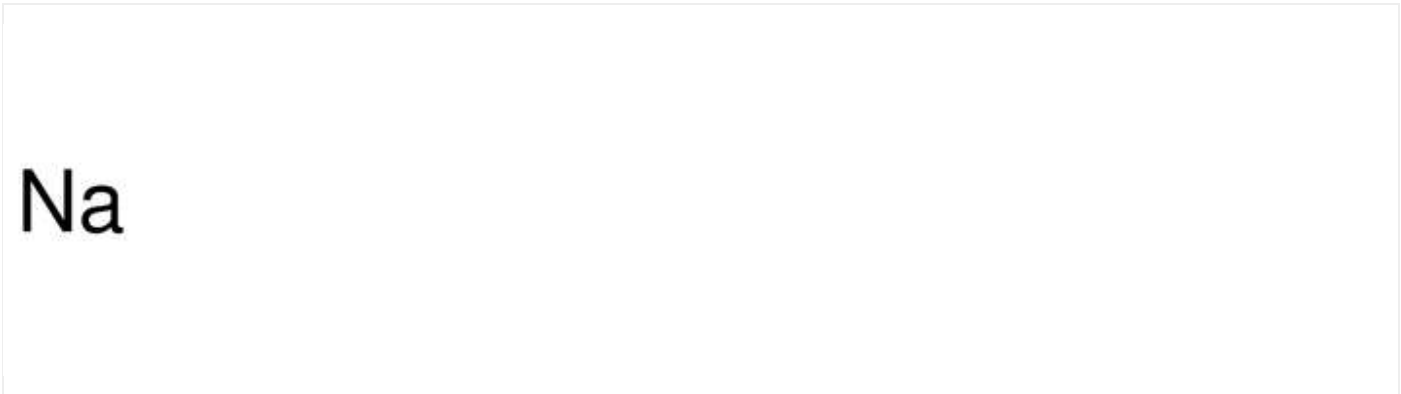
Safety Information and Hazard Symbols


Symbol: GHS02, GHS05 Signal Word: Danger UN No.: 1428 IMCO Class No.: 4.3 Packing Group: I Hazardous Statement: H260-H314 Precaution Statement: P223-P231 + P232-P280-P305 + P351 + P338-P370 + P378-P422

SODIUM (METAL) 99% AR (COATED WITH LIQUID PARAFFIN)

Coated with liquid paraffin

Product Code.	02342	Grade	
Purity	99%	CAS No.	7440-23-5
Molecular Formula	Na	Molecular Weight	22.99
H.S.Code	2805.11000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Silvery white	Odour	Odorless
Melting point/ Freezing point [°C]	97.8 °C	Auto-ignition temperature [°C]	> 115°C	Flash point [°C]	82 °C
Boiling point [°C]	883 °C	Vapour density	0.003	Density [g/cm3]	0.968
Solubility in water [% weight]	Decomposes violently in water				

Packaging

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Specification

Appearance	Silvery white soft, waxy surface
Assay	Min 99%
Chloride (Cl)	Max 0.002%
Sulphate (SO4)	Max 0.002%
Phosphate (PO4)	Max 0.0005%

Total nitrogen (N)	Max 0.0005%
Heavy metal (as Pb)	Max 0.0005%
Iron (Fe)	Max 0.001%
Calcium (Ca)	Max 0.05%
Potassium (K)	Max 0.01%

Safety Information and Hazard Symbols


Symbol: GHS02, GHS05 Signal Word: Danger UN No.: 1428 IMCO Class No.: 4.3 Packing Group: I Hazardous Statement: H260-H314 Precaution Statement: P223-P231 + P232-P280-P305 + P351 + P338-P370 + P378-P422

TELLURIUM METAL POWDER 99.9% EXTRAPURE

Product Code.	02625	Grade	
Purity	99.9%	CAS No.	13494-80-9
Molecular Formula	Te	Molecular Weight	127.60
H.S.Code	2804.50200	Shelf Life	60 Months

Te

Physical Properties

Physical state at 20 °C	Solid	Colour	Blackish grey powder	Melting point/ Freezing point [°C]	450 °C
Boiling point [°C]	990 °C	Density [g/cm3]	6.24		

Specification

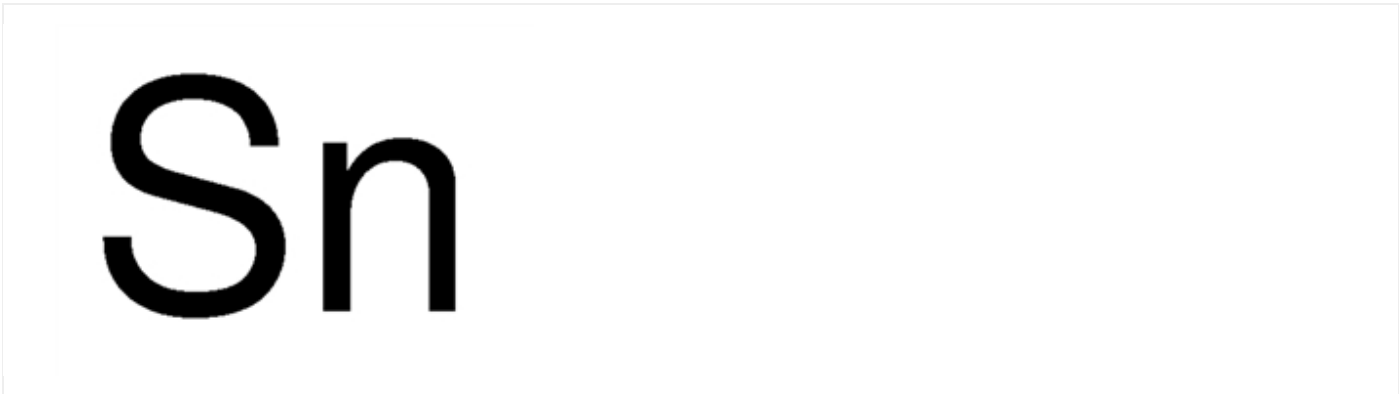
Appearance	Blackish gray powder
Assay	Min 99.9%

Safety Information and Hazard Symbols


Symbol: GHS06 Signal Word: Danger UN No.: 3288 IMCO Class No.: 6.1 Packing Group: III Hazardous Statement: H301 Precaution Statement: P301 + P310

TIN (METAL) POWDER EXTRA PURE

Product Code.	02707	Grade	
Purity	99%	CAS No.	7440-31-5
Molecular Formula	Sn	Molecular Weight	118.69
H.S.Code	8007.00900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Grey crystalline	Odour	Odorless
Melting point/ Freezing point [°C]	232 °C	Auto-ignition temperature [°C]	630 °C	Boiling point [°C]	2270 °C
Density [g/cm3]	7.31	Solubility in water [% weight]	Insoluble in water	Explosion limits -lower [%]	99.99%

Specification

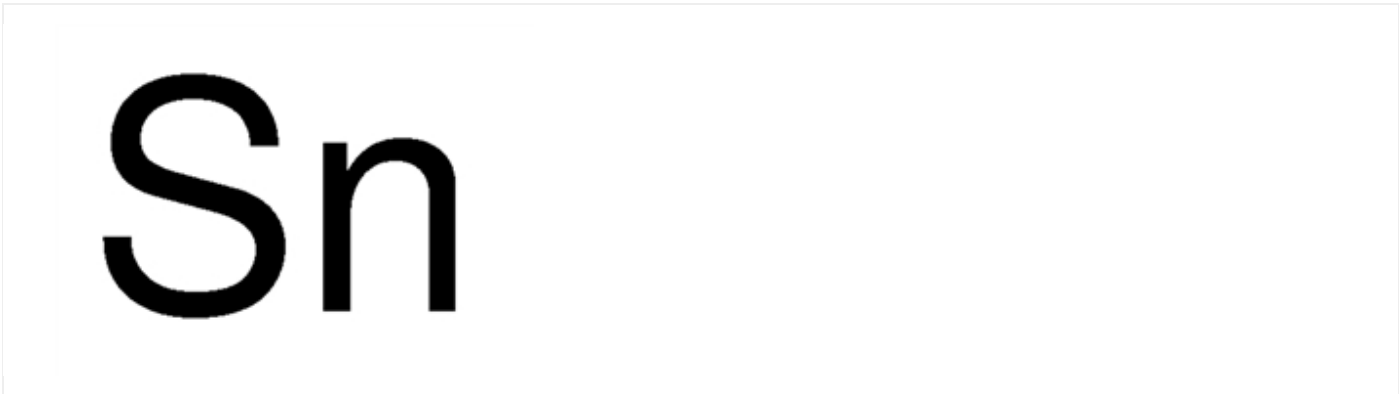
Appearance	Gray crystalline powder
Assay	MIN 99%
Arsenic (As)	Max 0.0025%
Mesh size	325 mesh

Safety Information and Hazard Symbols


Symbol: GHS07 Signal Word: Warning Hazardous Statement: H319-H335 Precaution Statement: P261-P305 + P351 + P338

TIN METAL FOIL 99.5% EXTRAPURE

Product Code.	02704	Grade	
Purity	99.5%	CAS No.	7440-31-5
Molecular Formula	Sn	Molecular Weight	118.69
H.S.Code	8007.00900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Grey foil	Odour	Odorless
Melting point/ Freezing point [°C]	232 °C	Auto-ignition temperature [°C]	630 °C	Boiling point [°C]	2270 °C
Density [g/cm3]	7.31	Solubility in water [% weight]	Insoluble in water	Explosion limits -lower [%]	99.99%

Packaging

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Specification

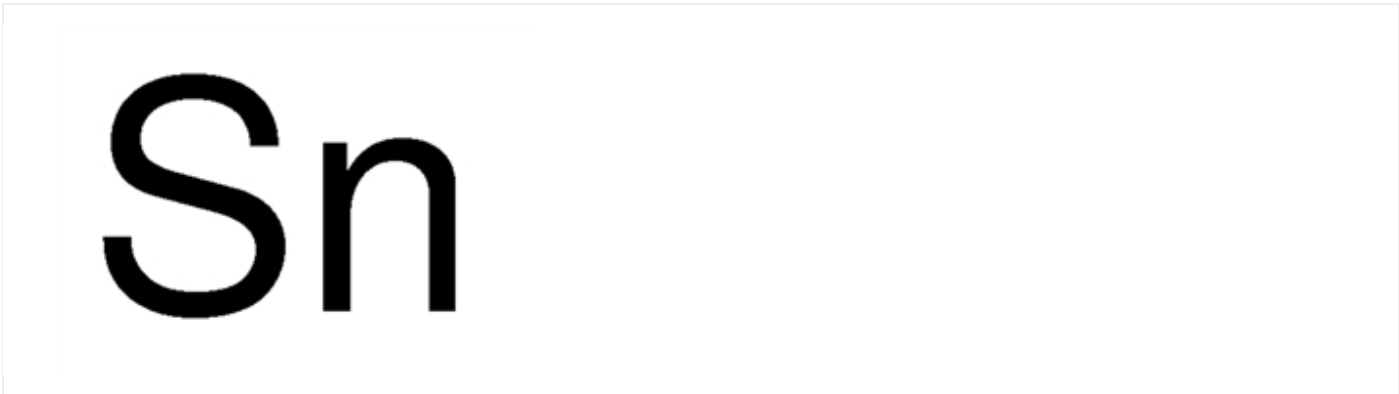
Appearance	Gray colored foil
Assay	Min 99.5%
Iron (Fe)	Max 0.005%
Total foreign metals	Max 0.05%

Safety Information and Hazard Symbols

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TIN METAL GRANULAR 99% AR

Product Code.	02706	Grade	
Purity	99%	CAS No.	7440-31-5
Molecular Formula	Sn	Molecular Weight	118.69
H.S.Code	8007.00900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Grey granular	Odour	Odorless
Melting point/ Freezing point [°C]	232 °C	Auto-ignition temperature [°C]	630 °C	Boiling point [°C]	2270 °C
Density [g/cm3]	7.31	Solubility in water [% weight]	Insoluble in water	Explosion limits -lower [%]	99.99%

Packaging

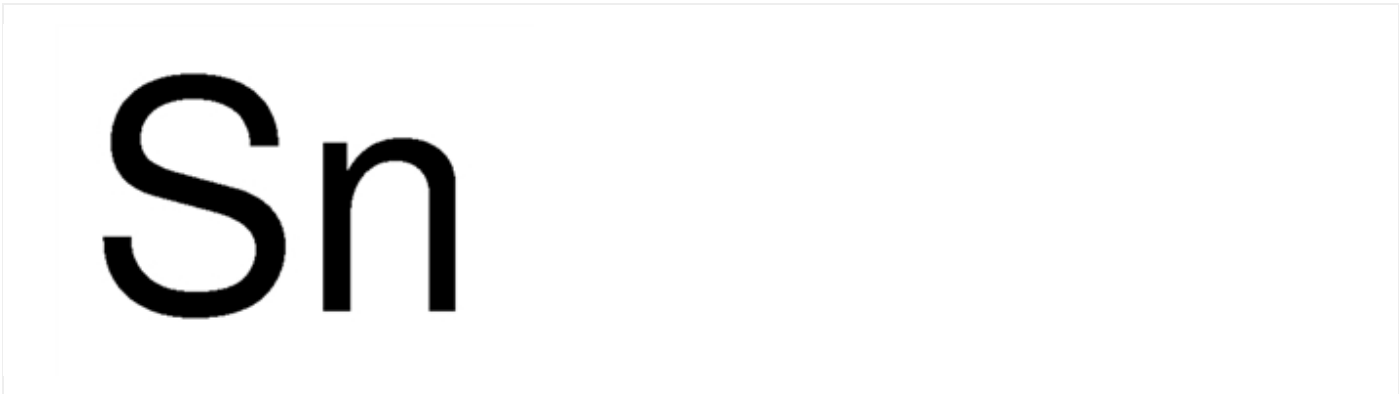
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Specification

Appearance	Silvery gray granules
Assay (complexometric)	Min 99%
Antimony (Sb)	Max 0.02%
Bismuth (Bi)	Max 0.03%
Lead (Pb)	Max 0.04%
Iron (Fe)	Max 0.01%
Copper (Cu)	Max 0.04%

TIN METAL GRANULAR 99% EXTRAPURE

Product Code.	02705	Grade	
Purity	99%	CAS No.	7440-31-5
Molecular Formula	Sn	Molecular Weight	118.69
H.S.Code	8007.00900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Grey granular	Odour	Odorless
Melting point/ Freezing point [°C]	232 °C	Auto-ignition temperature [°C]	630 °C	Boiling point [°C]	2270 °C
Density [g/cm3]	7.31	Solubility in water [% weight]	Insoluble in water	Explosion limits -lower [%]	99.99%

Packaging

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Specification

Appearance	Silvery gray granules
Assay (complexometric)	Min 99%
Lead (Pb)	Max 0.05%
Copper (Cu)	Max 0.05%
Iron (Fe)	Max 0.05%

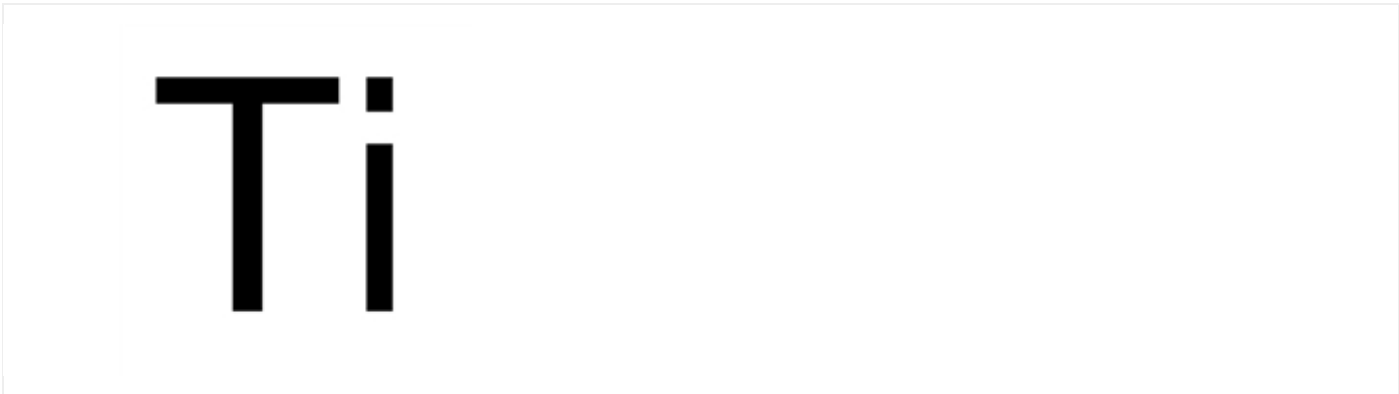
Safety Information and Hazard Symbols

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TITANIUM POWDER (LAB) 98%

Insoluble in water.

Product Code.	02712	Grade	
Purity	98%	CAS No.	7440-32-6
Molecular Formula	Ti	Molecular Weight	47.90
H.S.Code	8108.90100	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Grey to black colour powder	Melting point/ Freezing point [°C]	1660 °C
Boiling point [°C]	3287 °C	Density [g/cm3]	4.5	Solubility in water [% weight]	Insoluble in water

Specification

Appearance	Gray colored powder/crystals
Assay	Min 98%

Safety Information and Hazard Symbols

Symbol: GHS02 Signal Word: Danger UN No.: 2546 IMCO Class No.: 4.2 Packing Group: II Hazardous Statement: H250 Precaution Statement: P222-P231-P422

TUNGSTEN POWDER 99% EXTRAPURE

Product Code.	02796	Grade	
Purity	99%	CAS No.	7440-33-7
Molecular Formula	W	Molecular Weight	183.85
H.S.Code	8101.99900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Black powder	Odour	Odorless
Melting point/ Freezing point [°C]	3410 °C	Boiling point [°C]	5660 °C	Density [g/cm3]	19.3

Packaging

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Specification

Appearance	Black powder
Particle size	325 Mesh
Assay	Min 99%

Safety Information and Hazard Symbols


Symbol: GHS02, GHS07 Signal Word: Danger UN No.: 3089 IMCO Class No.: 4.1 Packing Group: II Hazardous Statement: H228-H315-H319 Precaution Statement: P210-P305 + P351 + P338

ZINC (METAL) GRANULAR 99.5% EXTRAPURE

Arsenic free.

Product Code.	02867	Grade	Extrapure
Purity	99.5%	CAS No.	7440-66-6
Molecular Formula	Zn	Molecular Weight	65.37
H.S.Code	7905.00400	Shelf Life	60 Months

Zn

Physical Properties

Physical state at 20 °C	Solid	Colour	Silver grey granule	Odour	Odorless
Melting point/ Freezing point [°C]	420 °C	Auto-ignition temperature [°C]	460°C	Boiling point [°C]	907 °C
Vapour pressure mm/Hg	1mm Hg @ 4870C	Density [g/cm3]	7.133	Solubility in water [% weight]	Insoluble in water

Packaging

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Specification

Appearance	Silver gray metallic granules
Assay	Min 99.5%
Arsenic (As)	Max 0.00001%
Iron (Fe)	Max 0.03%
Lead (Pb)	Max 0.01%
Cadmium (Cd)	Max 0.005%

Tin (Sn)

Max 0.005%

Safety Information and Hazard Symbols



Symbol: GHS09

Signal Word: Warning

UN No.: 3077

IMCO Class No.: 9

Packing Group: III

Hazardous Statement: H410

Precaution Statement: P273-P501

ZINC DUST 95% EXTRA PURE
(250-300 mesh)

Product Code.	02864	Grade	Extra Pure
Purity	95%	CAS No.	7440-66-6
Molecular Formula	Zn	Molecular Weight	65.37
H.S.Code	7903.10000	Shelf Life	60 Months

Zn

Physical Properties

Physical state at 20 °C	Solid	Colour	Grey dust	Odour	Odorless
Melting point/ Freezing point [°C]	420 °C	Auto-ignition temperature [°C]	460°C	Boiling point [°C]	907 °C
Vapour pressure mm/Hg	1mm Hg @ 4870C	Density [g/cm3]	7.133	Solubility in water [% weight]	Insoluble in water

Packaging

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Specification

Appearance	Grayish heavy powder
Assay (total Zn; complexometric)	Min. 95.0%
Substance insoluble in HNO3	Max. 0.5%
Cadmium (Cd)	Max. 0.2%
Iron (Fe)	Max. 0.01%
Copper (Cu)	Max. 0.005%

Tin (Sn)

Max. 0.01%

Safety Information and Hazard Symbols



Symbol: GHS09

Signal Word: Warning

UN No.: 3077

IMCO Class No.: 9

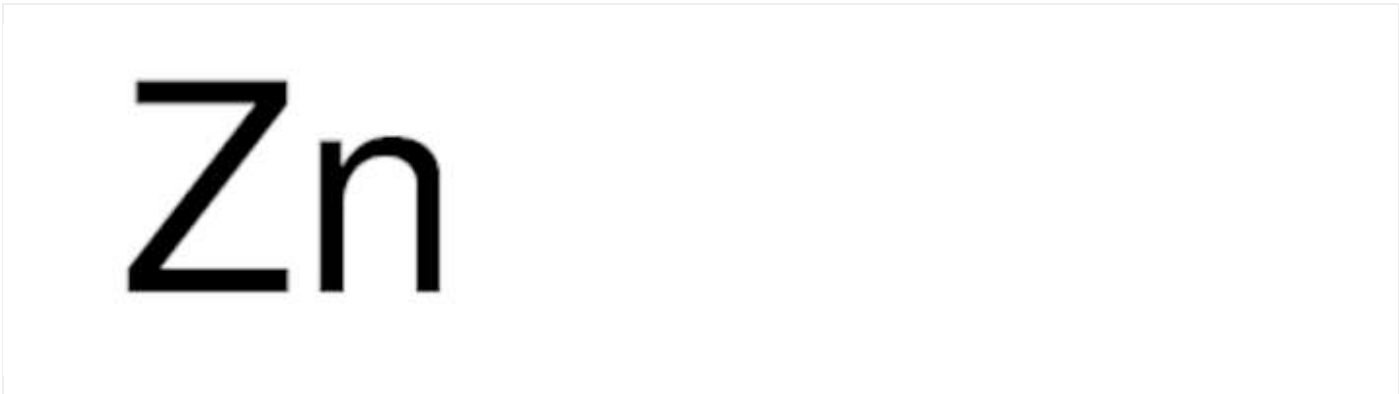
Packing Group: III

Hazardous Statement: H410

Precaution Statement: P273-P501

ZINC DUST 98% AR

Product Code.	02865	Grade	
Purity	98%	CAS No.	7440-66-6
Molecular Formula	Zn	Molecular Weight	65.37
H.S.Code	7903.10000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Grey dust	Odour	Odorless
Melting point/ Freezing point [°C]	420 °C	Auto-ignition temperature [°C]	460°C	Boiling point [°C]	907 °C
Vapour pressure mm/Hg	1mm Hg @ 4870C	Density [g/cm3]	7.133	Solubility in water [% weight]	Insoluble in water

Packaging

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Specification

Appearance	Grayish heavy powder
Assay	Min 98%
Lead (Pb)	Max 0.005%
Tin (Sn)	Max 0.001%
Copper (Cu)	Max 0.005%
Iron (Fe)	Max 0.005%

Cadmium (Cd)	Max 0.05%
Arsenic (As)	Max 0.0001%

Safety Information and Hazard Symbols


Symbol: GHS09 Signal Word: Warning UN No.: 3077 IMCO Class No.: 9 Packing Group: III Hazardous Statement: H410 Precaution Statement: P273-P501

ZINC FOIL 99.5%

Product Code.	02866	Grade	
Purity	99.5%	CAS No.	7440-66-6
Molecular Formula	Zn	Molecular Weight	65.37
H.S.Code	7905.00400	Shelf Life	60 Months

Zn

Physical Properties

Physical state at 20 °C	Solid	Colour	Grey Foil	Odour	Odorless
Melting point/ Freezing point [°C]	420 °C	Auto-ignition temperature [°C]	460°C	Boiling point [°C]	907 °C
Vapour pressure mm/Hg	1mm Hg @ 4870C	Density [g/cm3]	7.133	Solubility in water [% weight]	Insoluble in water

Specification

Appearance	Grayish foil
Assay	Min 99.5%

Safety Information and Hazard Symbols

Symbol: GHS09, GHS02 Signal Word: Warning UN No.: 3077 IMCO Class No.: 9 Packing Group: III Hazardous Statement: H410 Precaution Statement: P273-P501

ZINC METAL GRANULAR 99.9% AR
Suitable for arsenic estimation.

Product Code.	02868	Grade	
Purity	99.9%	CAS No.	7440-66-6
Molecular Formula	Zn	Molecular Weight	65.37
H.S.Code	7905.00400	Shelf Life	60 Months

Zn

Physical Properties

Physical state at 20 °C	Solid	Colour	Silver grey granule	Odour	Odorless
Melting point/ Freezing point [°C]	420 °C	Auto-ignition temperature [°C]	460°C	Boiling point [°C]	907 °C
Vapour pressure mm/Hg	1mm Hg @ 4870C	Density [g/cm3]	7.133	Solubility in water [% weight]	Insoluble in water

Packaging

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Specification

Appearance	Silver gray metallic granules
Assay (complexometric)	Min 99.9%
Lead (Pb)	Max 0.005%
Tin (Sn)	Max 0.005%
Copper (Cu)	Max 0.001%
Iron (Fe)	Max 0.02%

Cadmium (Cd)	Max 0.0005%
Arsenic (As)	Max 0.00001%

Safety Information and Hazard Symbols


Symbol: GHS09 Signal Word: Warning UN No.: 3077 IMCO Class No.: 9 Packing Group: III Hazardous Statement: H410 Precaution Statement: P273-P501

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