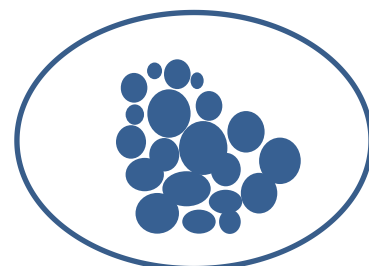


HIGH PURITY RARE EARTH MATERIALS

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High Purity Rare Earth Materials

PURITY

Purity is based on spectrographic values of trace metals found, i. e. 99.999% pure indicates that 0.001% (10 ppm) total of trace metals have been observed. Gases, Carbon and Sulfur are not included in the analysis but can possibly be determined if needed.

PARTICLE SIZE

Particle sizes are listed as determined with sieves. “-100,+325 mesh” means that all of the particles pass through a 100 mesh screen and are completely retained on a 325 mesh screen. “Mesh” indicates the number of sieve openings per linear inch.

CERTIFICATE

Each batch of material is shipped with a certificate of analysis and represents the current batch only.

Material Safety Data Sheet (MSDS) will be attached if the materials are dangerous.



CUSTOM MANUFACTURING

VI HALBLEITERMATERIAL provides custom service if there is no dimensions or purity you want on the list, Don't hesitate to contact us.

Particle Size Conversion Table

MESH SIZE	APPROXIMATE DIAMETER(mm)	MESH SIZE	APPROXIMATE DIAMETER(mm)
2	8	80	0.180
3	6.7	100	0.150
4	4.75	120	0.125
5	4.00	140	0.106
6	3.35	170	0.090
7	2.80	200	0.075
8	2.36	230	0.063
10	2.00	270	0.053
12	1.70	325	0.045
14	1.40	400	0.040
16	1.18	500	0.025
18	1.00	600	0.023
20	0.850	800	0.018
25	0.710	1000	0.013
30	0.600	1250	0.010
35	0.500	2000	0.0065
40	0.425	2500	0.0050
45	0.355	5000	0.0026
50	0.300	8000	0.0016
60	0.250	10000	0.0013
70	0.212		

Rare Earth Materials

VI HALBLEITERMATERIAL provides a series of high purity, Nano rare earth metal and compound powder materials. Rare earth elements are known as the "vitamin of industry" and have excellent magnetic, optical and electrical properties that cannot be replaced, which play a great role in improving product performance, increasing product variety and improving production efficiency, and are widely used in metallurgy, military, petrochemical, glass and ceramics, agriculture and new materials.

Ce

Cerium

CHEMICAL NAME	FORMULA	CAS No.	PURITY	SIZE
Cerium	Ce	7440-45-1	3N	-100Mesh
Cerium Hydroxide	Ce(OH) ₄	12014-56-1	3N5	
Cerium Sulfide	Ce ₂ S ₃	12014-93-6	3N	60Mesh D50<10 μ m
Cerium Boride	CeB ₆	12008-02-5	2N5	-325Mesh
Cerium Bromide	CeBr ₃	14457-87-5	3N-4N	-20Mesh
Cerium Bromide Heptahydrate	CeBr ₃ ·7H ₂ O	7789-56-2	4N	
Cerium Chloride	CeCl ₃	7790-86-5	4N	100Mesh
Cerium Chloride Heptahydrate	CeCl ₃ · 7H ₂ O	18618-55-8	3N5	
Cerium Fluoride	CeF ₃	7758-88-5	4N5	100Mesh
Cerium Oxide	CeO ₂	1306-38-3	3N-4N	D50<20 μ m/6-15 μ m
Cerium Oxide - Zirconium Oxide	CeO ₂ -ZrO ₂		2N5	-325Mesh
Cerium Palladium Alloy	CePd		3N-4N	-200Mesh
Cerium Acetate	CeC ₆ H ₉ O ₆	206996-60-3	3N	
Cerium Nitrate	Ce(NO ₃) ₃	10108-73-3	3N	-200Mesh
Cerium Nitrate Hexahydrate	Ce(NO ₃) ₃ ·6H ₂ O	10294-41-4	2N5	
Cerium sulfate	Ce(SO ₄) ₂	13590-82-4	97%	-325Mesh
Cerium Sulfate	Ce ₂ (SO ₄) ₃	13454-94-9	3N	-200Mesh
Cerium sulfate octahydrate	Ce ₂ (SO ₄) ₃ ·8H ₂ O	10450-59-6	4N	
Zirconium Scandium Cerium Oxide	ZrO ₂ :Sc ₂ O ₃ :CeO ₂		3N	-325Mesh
Cerium Silicide	CeSi ₂	12014-85-6	2N5	-20Mesh
Cerium Phosphate	CePO ₄	13454-71-2	2N	-100Mesh
Cerium Vanadium Oxide	CeVO ₄	13597-19-8	3N	-200Mesh
Cerium Carbonate	Ce ₂ (CO ₃) ₃	5853-16-7	3N	-200Mesh

Dy

Dysprosium

CHEMICAL NAME	FORMULA	CAS No.	PURITY	SIZE
Dysprosium	Dy	7429-91-6	3N	-200Mesh
Dysprosium Oxide	Dy ₂ O ₃	1308-87-8	3N	D50:10 μ m
Dysprosium Chloride	DyCl ₃	10025-74-8	4N	10Mesh
Dysprosium Chloride Hexahydrate	DyCl ₃ .6H ₂ O	15059-52-6	3N	
Dysprosium Boride	DyB ₆	12008-04-7	2N5	-325Mesh
Dysprosium Bromide	DyBr ₃	14456-48-5	4N	-325Mesh
Dysprosium oxalate decahydrate	Dy ₂ (C ₂ O ₄) ₃ •10H ₂ O	24670-07-3	3N	
Dysprosium Nitrate Pentahydrate	Dy(NO ₃) ₃ •5H ₂ O	10031-49-9	3N-4N	
Dysprosium Iodide	DyI ₃	15474-63-2	98%	
Dysprosium Acetate tetrahydrate	Dy(OOCCH ₃) ₃ •4H ₂ O	15280-55-4	3N-4N	
Dysprosium Nitride	DyN	12019-88-4	3N	-325Mesh
Dysprosium Phosphate	DyPO ₄	13863-49-5	4N	-100Mesh
Dysprosium Sulfate	Dy ₂ (SO ₄) ₃	10031-50-2	3N	-325Mesh
Dysprosium Carbonate tetrahydrate	Dy ₂ (CO ₃) ₃ •4H ₂ O	38245-35-1	3N	
Dysprosium Nitrate	Dy(NO ₃) ₃	10143-38-1	3N	-325Mesh
Dysprosium Fluoride	DyF ₃	13569-80-7	3N-4N	-325Mesh

Er

Erbium

CHEMICAL NAME	FORMULA	CAS No.	PURITY	SIZE
Erbium	Er	7440-52-0	3N	-300Mesh
Erbium Boride	ErB ₄	12310-44-0	2N5	
Erbium Bromide	ErBr ₃	13536-73-7	4N	-100-325Mesh
Erbium Bromide Hydrate	ErBr ₃ . xH ₂ O	29843-93-4	5N	
Erbium(III) Chloride Hexahydrate	ErCl ₃ .6H ₂ O	10025-75-9	3N-5N	
Erbium Acetate	ErC ₆ H ₁₇ O ₁₀	15280-57-6	3N/3N5	
Erbium Carbonate Hydrate	Er ₂ (CO ₃) ₂ •xH ₂ O	22992-83-2	4N	
Erbium Nitride	ErN	12020-21-2	3N	-60Mesh
Erbium Silicide	ErSi ₂	12434-16-1	3N	
Erbium Phosphate Hydrate	ErPO ₄ •xH ₂ O	14242-01-4	3N	
Erbium Phosphate	ErPO ₄	14298-38-5	4N	-100-325Mesh
Erbium Sulfate	Er ₂ (SO ₄) ₃	10031-52-4	3N5	-100-325Mesh
Erbium Nitrate	Er(NO ₃) ₃	10031-51-3	3N	-100-325Mesh

Erbium Nitrate Hexahydrate	$\text{Er}(\text{NO}_3)_3 \cdot 6\text{H}_2\text{O}$	13476-05-6	4N	
Erbium Iodide	ErI_3	13813-42-8	4N	-100-325Mesh
Erbium Fluoride	ErF_3	13760-83-3	3N	D50:10 μm
Erbium Chloride	ErCl_3	10138-41-7	2N5	-20Mesh
Erbium Oxide	Er_2O_3	12061-16-4	2N5/3N	-325Mesh D50:10 μm

Eu

Europium

CHEMICAL NAME	FORMULA	CAS No.	PURITY	SIZE
Europium Bromide	EuBr_3	13759-88-1	3N	-100-325Mesh
Europium Iodide	EuI_2	22015-35-6	4N-5N	-100-325Mesh
Europium Acetate Hydrate	$\text{Eu}(\text{OOCCH}_3)_3 \cdot x\text{H}_2\text{O}$	62667-64-5	3N-4N	
Europium nitrate hexahydrate	$\text{Eu}(\text{NO}_3)_3 \cdot 6\text{H}_2\text{O}$	10031-53-5	4N	-325Mesh
Europium Oxalate Hydrate	$\text{Eu}_2(\text{C}_2\text{O}_4)_3 \cdot x\text{H}_2\text{O}$	304675-55-6		
Europium Oxide	Eu_2O_3	1308-96-9	2N5-5N	-325Mesh D50:3-16 μm
Europium Phosphate	EuPO_4	13537-10-5	3N	-100-325Mesh
Europium Sulfate	$\text{Eu}_2(\text{SO}_4)_3$	13537-15-0	5N	-100-325Mesh
Europium Sulfate octahydrate	$\text{Eu}_2(\text{SO}_4)_3 \cdot 8\text{H}_2\text{O}$	10031-52-4	5N	
Europium Carbonate	$\text{Eu}_2(\text{CO}_3)_3$	86546-99-8	3N	-100-325Mesh
Europium Nitrate	$\text{Eu}(\text{NO}_3)_3$	10031-53-5	3N	-100-325Mesh
Europium Fluoride	EuF_3	13765-25-8	3N-4N8	-100-325Mesh
Europium Chloride	EuCl_3	10025-76-0	4N	-100-325Mesh
Europium Chloride hexahydrate	$\text{EuCl}_3 \cdot 6\text{H}_2\text{O}$	13759-92-7	5N	
Europium Telluride	EuTe	12020-69-8	2N5	-100-325Mesh
Europium Selenide	EuSe	12020-66-5	3N	-100-325Mesh
Europium Sulfide	EuS	12020-65-4	4N	-100-325Mesh
Europium Boride	EuB_6	12008-05-8	2N5	-325Mesh



Gd

Gadolinium

CHEMICAL NAME	FORMULA	CAS No.	PURITY	SIZE
Gadolinium	Gd	7440-54-2	3N	-200Mesh
Gadolinium oxalate hydrate	$Gd_2(C_2O_4)_3 \cdot xH_2O$	100655-00-3	3N	
Gadolinium Nitrate Hydrate	$Gd(NO_3)_3 \cdot xH_2O$	94219-55-3	4N	
Gadolinium acetate hydrate	$Gd(OOCCH_3)_3 \cdot xH_2O$	100587-93-7	3N	
Gadolinium Chloride Hexahydrate	$GdCl_3 \cdot 6H_2O$	13450-84-5	3N-5N	
Gadolinium Oxide	Gd_2O_3	12064-62-9	4N	-325Mesh
Gadolinium Nitride	GdN	25764-15-2	2N5/3N	-60Mesh
Gadolinium Silicide	$GdSi_2$	12134-75-7	3N	-325Mesh
Gadolinium Phosphate	$GdPO_4$	12064-62-9	4N	-325Mesh
Gadolinium Titanate	$Gd_2Ti_2O_7$	12024-89-4	3N	-200Mesh
Gadolinium Carbonate	$Gd_2(CO_3)_3 \cdot xH_2O$	38245-36-2	3N	
Gadolinium Iron Alloy	GdFe		3N	-10Mesh
Gadolinium Nickel Alloy	GdNi	12024-73-6	3N	-200Mesh
Gadolinium Iodide	GdI_3	13572-98-0	4N	-325Mesh
Gadolinium Fluoride	GdF_3	13765-26-9	3N	-200Mesh
Gadolinium Chloride	$GdCl_3$	10138-52-0	4N	-10Mesh
Gadolinium Bromide	$GdBr_3$	13818-75-2	3N-4N	-325Mesh
Gadolinium Boride	GdB_6	12008-06-9	2N5	-325Mesh



La

Lanthanum

CHEMICAL NAME	FORMULA	CAS No.	PURITY	SIZE
Lanthanum Hexaborid	LaB ₆	12008-21-8	2N	50nm
Lanthanum Bromide	LaBr ₃	13536-79-3	3N-4N	
Lanthanum nickel alloy	LaNi ₅	12196-72-4	2N5	-100Mesh
Lanthanum Titanate	La ₂ Ti ₂ O ₇	12031-47-9	3N	-60Mesh
Lanthanum Zirconate	La ₂ Zr ₂ O ₇	12031-48-0	3N	-60Mesh
Lanthanum Manganese Oxide	LaMnO ₃		3N	-325Mesh
Lanthanum Lithium Titanate	Li _{3x} La _{2/3-x} TiO ₃		3N	-325Mesh
Lanthanum Metvanadate	LaVO ₃	12142-65-3	3N	-60Mesh
Lanthanum Vanadate	LaVO ₄	13939-40-7	3N	-60Mesh
Lanthanum nitrate Hexahydrate	La(NO ₃) ₃ •6H ₂ O	10277-43-7	4N	
Lanthanum oxalate hydrate	La ₂ (C ₂ O ₄) ₃ •xH ₂ O	79079-18-8	3N	
Molybdenum Lanthanum Alloy	MoLa		3N-4N	-100Mesh
Lanthanum Carbonate	La ₂ (CO ₃) ₃	54451-24-0	3N	-325Mesh
Lanthanum Acetate	LaC ₆ H ₁₁ O ₇	100587-90-4	2N5	-325Mesh
Lanthanum Fluoride	LaF ₃	13709-38-1	4N	
Lanthanum Bromide Hydrate	LaBr ₃ •xH ₂ O	224183-16-8	4N	
Lanthanum chloride heptahydrate	LaCl ₃ •7H ₂ O	10025-84-0	4N	
Lanthanum Oxide	La ₂ O ₃	1312-81-8	3N-5N	D50:10 μ m
Lanthanum Iodide	LaI ₃	13813-22-4	4N	-325Mesh
Lanthanum Barium Tin Oxide	La _(x) Ba _(1-x) SnO ₃		3N	-325Mesh
Lanthanum Strontiam Iron Oxide	(La _{0.8} Sr _{0.2})FeO ₃		3N	-325Mesh
Lanthanum Iron Nickel Oxide	LaFe _{0.25} Ni _{0.75} O ₃		3N	-325Mesh
Lanthanum Strontiam Manganese Oxide	La _(1-x) Sr _(x) MnO ₃		2N5/3N	D50<10 μ m
Lanthanum Nickel Oxide	LaNiO ₃	12031-41-3	3N	-60Mesh
Lanthanum Iron Oxide	LaFeO ₃	12022-43-4	3N	-325Mesh
Lanthanum Cobalt Oxide	LaCoO ₃		3N	-325Mesh
Lanthanum Chromite	LaCrO ₃	12017-94-6	2N5	-40Mesh
Lanthanum Aluminum Oxide	LaAlO ₃	71496-78-1	3N	-50Mesh
Lanthanum	La	7439-91-0	3N	-60Mesh
Lanthanum Silicide	LaSi ₂	12056-90-5	2N5	-200Mesh
Lanthanum Nitrate	La(NO ₃) ₃	10099-59-9	3N	-325Mesh
Lanthanum Sulfate	La ₂ (SO ₄) ₃	10099-60-2	4N	-100Mesh
Lanthanum carbonate hydrate	La ₂ (CO ₃) ₃ •xH ₂ O	54451-24-0	3N-4N	-325Mesh
Lanthanum Titanate	LaTiO ₃	12201-04-6	3N	-100Mesh
Lanthanum Chloride	LaCl ₃	10099-58-8	4N	-100Mesh
Lanthanum Telluride	La ₂ Te ₃	12031-53-7	3N	-100Mesh
Lanthanum Sulfide	La ₂ S ₃	12031-49-1	3N	-200Mesh
Lanthanum Boride	LaB ₆	12008-21-8	2N5/3N	-325Mesh

Lu

Lutetium

CHEMICAL NAME	FORMULA	CAS No.	PURITY	SIZE
Lutetium carbonate hydrate	$\text{Lu}_2(\text{CO}_3)_3 \cdot x\text{H}_2\text{O}$	64360-99-2	3N	-100Mesh
Lutetium Oxide	Lu_2O_3	12032-20-1	3N5-4N5	-325Mesh
Lutetium Nitride	LuN	12125-25-6	3N	-60Mesh
Lutetium Nitrate	$\text{Lu}(\text{NO}_3)_3$	100641-16-5	3N	-100Mesh
Lutetium Sulfate	$\text{Lu}_2(\text{SO}_4)_3$	13473-77-3	4N	-100Mesh
Lutetium Iodide	LuI_3	13813-45-1	4N	-100Mesh
Lutetium Fluoride	LuF_3	13760-81-1	4N	-325Mesh
Lutetium Chloride	LuCl_3	10099-66-8	4N	-100Mesh
Lutetium Chloride Hexahydrate	$\text{LuCl}_3 \cdot 6\text{H}_2\text{O}$	15230-79-2	4N	
Lutetium Telluride	Lu_2Te_3	12163-22-3	5N	-60Mesh
Lutetium Sulfide	Lu_2S_3	12163-20-1	4N5	-200Mesh
Lutetium acetate tetrahydrate	$\text{Lu}(\text{AC})_3 \cdot 4\text{H}_2\text{O}$	207500-05-8	4N	

Pr

Praseodymium

CHEMICAL NAME	FORMULA	CAS No.	PURITY	SIZE
Praseodymium Oxide	Pr_6O_{11}	12037-29-5	2N5	-325Mesh
Praseodymium chloride hydrate	$\text{PrCl}_3 \cdot 6\text{H}_2\text{O}$	17272-46-7	3N	
Praseodymium Acetate	$\text{PrC}_6\text{H}_9\text{O}_6$	17829-83-3	3N	
Praseodymium iodide	PrI_3	13813-23-5	3N	-100Mesh
Praseodymium Nitrate Hexahydrate	$\text{Pr}(\text{NO}_3)_3 \cdot x\text{H}_2\text{O}$	15878-77-0	2N	
Praseodymium sulfate octahydrate	$\text{Pr}_2(\text{SO}_4)_3 \cdot 8\text{H}_2\text{O}$	13510-41-3	4N	
Praseodymium Oxide	Pr_2O_3	12036-32-7	3N-5N	-325Mesh
Praseodymium Fluoride	PrF_3	13709-46-1	4N	-325Mesh
Praseodymium Nitride	PrN	25764-09-4	3N	-200Mesh
Praseodymium Silicide	PrSi_2	12066-83-0	3N	-100Mesh
Praseodymium Phosphate	PrPO_4	14298-31-8	2N	-100Mesh
Praseodymium Sulfate	$\text{Pr}_2(\text{SO}_4)_3$	10277-44-8	3N5	-325Mesh
Praseodymium Carbonate	$\text{Pr}_2(\text{CO}_3)_3$	14948-62-0	3N	-200Mesh
Praseodymium Chloride	PrCl_3	10361-79-2	3N5	-100Mesh

Sc

Scandium

CHEMICAL NAME	FORMULA	CAS No.	PURITY	SIZE
Scandium	Sc	7440-20-2	3N-4N	-200Mesh
Scandium nitrate hydrate	Sc(NO ₃) ₃ •xH ₂ O	107552-14-7	4N	
Scandium Boride	ScB ₁₂		95%	-20Mesh
Scandium Oxide	Sc ₂ O ₃	12060-08-1	4N-5N	-325Mesh
Scandium chloride hexahydrate	ScCl ₃ •6H ₂ O	20662-14-0	4N	
Scandium Chloride	ScCl ₃	10361-84-9	3N	-20Mesh
Scandium Iodide	ScI ₃	14474-33-0	5N	-325Mesh
Scandium Nitride	ScN	664347-12-0	3N	-60Mesh
Scandium Nitrate	Sc(NO ₃) ₃	13465-60-6	4N	-100Mesh
Scandium Fluoride	ScF ₃	13709-47-2	3N	-100Mesh
Scandium Bromide	ScBr ₃	13465-59-3	4N	-100Mesh
Scandium Sulfide	Sc ₂ S ₃	12166-29-9	3N	-200Mesh

Sm

Samarium

CHEMICAL NAME	FORMULA	CAS No.	PURITY	SIZE
Samarium Oxide	Sm ₂ O ₃	12060-58-1	2N5-3N	D50:5-10 μ m
Samarium Cobalt	SmCo ₅	12017-68-4	2N	-100Mesh
Samarium Chloride Hexahydrate	SmCl ₃ • 6H ₂ O	13465-55-9	3N	
Samarium oxalate hydrate	Sm ₂ (C ₂ O ₄) ₃ •10H ₂ O	14175-03-2	3N7	
Samarium Sulfide	SmS		3N	
Samarium Telluride	SmTe	12040-00-5	3N-4N5	-200Mesh
Samarium Chloride	SmCl ₃	10361-82-7	3N-4N	-100Mesh
Samarium Sulfide	Sm ₂ S ₃	12067-22-0	3N	-325Mesh
Samarium	Sm	7440-19-9	3N	-325Mesh
Samarium Nitride	SmN	25764-14-1	3N	-100Mesh
Samarium sulfate	Sm ₂ (SO ₄) ₃	15123-65-6	3N5	-100Mesh
Samarium carbonate hydrate	Sm ₂ (CO ₃) ₃ •xH ₂ O	38245-37-3	4N	
Samarium Nitrate	Sm(NO ₃) ₃	10361-83-8	3N5	-100Mesh
Samarium Iodide	SmI ₂	32248-43-4	4N	-100Mesh
Samarium Fluoride	SmF ₃	13765-24-7	3N	-200Mesh
Samarium Boride	SmB ₆	12008-30-9	2N5	-100Mesh

Tb

Terbium

CHEMICAL NAME	FORMULA	CAS No.	PURITY	SIZE
Terbium	Tb	7440-27-9	3N	-200Mesh
Terbium chloride hexahydrate	TbCl ₃ •6H ₂ O	13798-24-8	4N	
Terbium Oxide	Tb ₄ O ₇	12037-01-3	2N5-4N	-100Mesh
Terbium carbonate hydrate	Tb ₂ (CO ₃) ₃ •xH ₂ O	100587-96-0	3N	
Terbium Iron Alloy	TbFe		3N	-100Mesh
Terbium oxalate decahydrate	Tb ₂ (C ₂ O ₄) ₃ •10H ₂ O	51373-66-1	3N	-100Mesh
Terbium iodide	TbI ₃	13813-40-6	4N	-60Mesh
Terbium Acetate	TbC ₆ H ₁₁ O ₇	100587-92-6	3N	-60Mesh
Terbium nitrate hydrate	Tb(NO ₃) ₃ •xH ₂ O	10043-27-3	4N	
Terbium Nitride	TbN	12033-64-6	3N	-60Mesh
Terbium Boride	TbB ₆	12008-31-0	3N5	-100Mesh
Terbium vanadium oxide	TbVO ₄	13566-09-1	2N8	-100Mesh
Terbium Phosphate	TbPO ₄	13863-48-4	4N	-200Mesh
Terbium Sulfate	Tb ₂ (SO ₄) ₃	13842-67-6	4N	-325Mesh
Terbium Nitrate	Tb(NO ₃) ₃	57584-27-7	4N	-325Mesh
Terbium Fluoride	TbF ₃	13708-63-9	4N	-325Mesh
Terbium Chloride	TbCl ₃	10042-88-3	3N-4N	-325Mesh
Terbium Bromide	TbBr ₃	14456-47-4	4N	-100Mesh
Terbium Sulfide	Tb ₂ S ₃	12138-11-3	3N5	-100Mesh

Tm

Thulium

CHEMICAL NAME	FORMULA	CAS No.	PURITY	SIZE
Thulium	Tm	7440-30-4	3N	-40Mesh
Thulium Oxide	Tm ₂ O ₃	12036-44-1	3N-5N	-100Mesh
Thulium Fluoride	TmF ₃	13760-79-7	3N	-100Mesh
Thulium Acetate	TmC ₆ H ₁₁ O ₇	314041-04-8	2N5-4N	
Thulium Chloride	TmCl ₃	13537-18-3	4N	-10Mesh
Thulium Chloride Hydrate	TmCl ₃ •xH ₂ O	19423-86-0	3N-4N	
Thulium nitrate hydrate	Tm(NO ₃) ₃ •xH ₂ O	36548-87-5	3N-4N	
Thulium Oxalate Hydrate	Tm ₂ (C ₂ O ₄) ₃ •xH ₂ O	58176-73-1	3N	
Thulium Nitride	TmN	12033-68-0	2N5	-60Mesh
Thulium Sulfate octahydrate	Tm ₂ (SO ₄) ₃ *8H ₂ O	13778-40-0	3N	

Thulium Nitrate Hexahydrate	$\text{Tm}(\text{NO}_3)_3 \cdot 6\text{H}_2\text{O}$	36548-87-5	3N	
Thulium Iodide	TmI_3	13813-43-9	3N	-100Mesh
Thulium Bromide	TmBr_3	14456-51-0	4N	-100Mesh
Thulium Sulfide	Tm_2S_3	12166-30-2	3N	-325Mesh
Thulium Boride	TmB_6	12046-55-8	2N5	-325Mesh

Y

Yttrium

CHEMICAL NAME	FORMULA	CAS No.	PURITY	SIZE
yttrium	Y	7440-65-5	2N-3N	-200Mesh
Yttrium Chloride	YCl_3	10361-92-9	3N-4N	-10Mesh
Yttrium Oxide	Y_2O_3	1314-36-9	3N-5N	-200Mesh D50<15 μm
Yttrium chloride hydrate	$\text{YCl}_3 \cdot 6\text{H}_2\text{O}$	10025-94-2	5N	
Yttrium Bromide	YBr_3	13469-98-2	3N-4N	-100Mesh
Yttrium sulfide	Y_2S_3	12039-19-9	3N	-100Mesh
Yttrium oxalate nonahydrate	$\text{Y}_2(\text{C}_2\text{O}_4)_3 \cdot 9\text{H}_2\text{O}$	13266-82-5	3N	
Yttrium carbonate hydrate	$\text{Y}_2(\text{CO}_3)_3 \cdot x\text{H}_2\text{O}$	38245-39-5	3N-4N	
Yttrium sulfate octahydrate	$\text{Y}_2(\text{SO}_4)_3 \cdot 8\text{H}_2\text{O}$	7446-33-5	4N	
Yttrium phosphate	YPO_4	13990-54-0	4N	-100Mesh
Yttrium barium copper oxide	$\text{YBa}_2\text{Cu}_3\text{O}_7$	107539-20-8	2N5	-100-325Mesh
Yttrium Tantalum oxide	YTaO_4		3N	-325Mesh
Yttrium Manganese Oxide	YMnO_3		3N	-325Mesh
Yttrium Ferrite	$\text{Y}_3\text{Fe}_5\text{O}_{12}$	12063-56-8	3N	-100Mesh
Yttrium Aluminate(YAG)	$\text{Y}_3\text{Al}_5\text{O}_{12}$	12005-21-9	3N-4N	-200Mesh
Yttrium Sulfate	$\text{Y}_2(\text{SO}_4)_3$	7446-33-5	3N5	-200Mesh
Yttrium Silicate	Y_2SiO_5	39318-36-0	3N	-325Mesh
Yttrium Carbonate	$\text{Y}_2(\text{CO}_3)_3$	5970-44-5	5N	-200Mesh
Yttrium Vanadate	YVO_4	13566-12-6	4N	-325Mesh
Yttrium Nitrate	$\text{Y}(\text{NO}_3)_3$	13494-98-9	2N-5N	
Yttrium Nitrate Hexahydrate	$\text{Y}(\text{NO}_3)_3 \cdot 6\text{H}_2\text{O}$	13494-98-9	2N-5N	
Yttrium Fluoride	YF_3	13709-49-4	3N	D50:15-20 μm
Yttrium Telluride	Y_2Te_3	12166-71-1	4N5	-40Mesh
Yttrium Oxide Stabilized Zirconium Oxide(YSZ)	$\text{Y}_2\text{O}_3\text{-Zr}_2\text{O}_3$	308076-80-4	2N5/3N	D50<15 μm
Yttrium Diboride	YB_2		95%	-20Mesh
Yttrium Hexaboride	YB_6	12008-32-1	3N	-20Mesh

Yb

Ytterbium

CHEMICAL NAME	FORMULA	CAS No.	PURITY	SIZE
Ytterbium	Yb	7440-64-4	3N	-60Mesh
Ytterbium Chloride	YbCl ₃	10361-91-8	4N	-10Mesh
Ytterbium Oxalate Hydrate	Yb ₂ (C ₂ O ₄) ₃ •xH ₂ O	58176-74-2	3N	
Ytterbium Sulfate	Yb ₂ (SO ₄) ₃	13469-97-1	4N	-325Mesh
Ytterbium Bromide	YbBr ₃	13759-89-2	3N	-100Mesh
Ytterbium Chloride Hexahydrate	YbCl ₃ •6H ₂ O	10035-01-5	5N	
Ytterbium Fluoride	YbF ₃	13760-80-0	3N-4N	-100Mesh
Ytterbium Oxide	Yb ₂ O ₃	1314-37-0	3N-4N5	-325Mesh
Ytterbium Silicide	YbSi ₂	12039-89-3	2N5	-200Mesh
Ytterbium Nitride	YbN	24600-77-9	3N	-60Mesh
Ytterbium Carbonate	Yb ₂ (CO ₃) ₃	5895-52-3	4N	-100Mesh
Ytterbium Iodide	YbI ₂	19357-86-9	3N	-100Mesh
Ytterbium Phosphate	YbPO ₄	13759-80-3	3N	-325Mesh

