

Lists of Compound, Pure Metal, NBS, and BAS Standards

All compound, BAS standards, Austenitic Steels, and NBS standards are available as single standards or grains. Please contact us for pricing.

► Lists of Compound Standards

Formulae	Name	Formulae	Name
AgCl	Silver (I) Chloride	LuF ₃	Lutetium Fluoride
Ag ₂ S	Silver Sulphide	LuSi ₂	Lutetium Silicide
Ag ₂ Te ₃	Silver Telluride	Mg,Al,Mn,Zn	Magnesium Alloy
Al,Cu,Mg	Dural	Mg ₂ Sn	Magnesium Tin Alloy
Al,Mg,Si		MgAl ₂ O ₄	Spinel
AlSb	Aluminium Antimonide	MgF ₂	Magnesium Fluoride
Al,Si		MgO	Periclase
Al ₂ O ₃	Aluminium Oxide	MnF ₂	Manganese Fluoride
AlF ₃	Aluminium Fluoride	MnTiO ₃	Manganese Titanate
AlF ₃	Aluminium Fluoride anhydrous	MoO ₃	Molybdenum (V1) Oxide
AlN	Aluminium Nitride	MoS ₂	Molybdenum (IV) Sulfide
B ₂ O ₃	Boron Trioxide	Na ₃ AlF ₆	Cryolite
B ₄ C	Boron Carbide	NaCl	Sodium Chloride
Ba	Barium REE Glass	NaF	Sodium Fluoride
BaF ₂	Barium Fluoride	Nb ₂ O ₅	Niobium Oxide
BaTiO ₃	Barium Titanate	Nd ₂ O ₃	Neodymium Oxide
Bi ₂ Se ₃	Bismuth Selenide	Nd	Neodymium 1 ₂ mm pcs 99.9%
Bi ₂ Te ₃	Bismuth Telluride	NdF ₃	Neodymium Fluoride
BN	Boron Nitride	NiAs	Nickel Arsenide

CaMoO ₄	Calcium Molybdate	NiO	Nickel Oxide
CaWO ₄	Calcium Tungstate	Ni ₂ Si	Nickel Silicide
CdS	Cadmium Sulphide	NiSO ₄	Nickel Sulphate
CdSe	Cadmium Selenide	NiP	Nickel Phosphide
CdTe	Cadmium Telluride	PbF ₂	Lead Fluoride
CeAl ₂	Cerium Alumate	PbO	Lead Oxide
CeF ₂	Cerium (III) Fluoride	PbS	Lead Sulphide
CeO ₂	Cerium (IV) Oxide	PbS	Galena
Co ₃ O ₄	Cobalt (II,III) Oxide	PbSe	Lead Selenide
COSi ₂	Cobalt Silicide	PbTe	Lead Telluride
Cr ₃ C	Chromium Carbide	Pr	Praseodymium REE Glass
CrN	Chromium (III) Nitride	PrF ₃	Praseodymium Fluoride
Cr ₂ O ₃	Chromium Oxide	Rb	Rubidium REE Glass
Cs	Caesium REE Glass	RbBr	Rubidium Bromide
CsBr	Caesium Bromide	RbI	Rubidium Iodide
CsI	Caesium Iodide	Sb ₂ S ₃	Antimony (III) Sulfide
CsNO	Caesium	Si ₃ N ₄	Silicon Nitride
CuI	Copper Iodide(Powder)	SiC	Silicon Carbide
CuO	Copper Oxide	SiO ₂	Silicon Oxide
CuS	Copper Sulphide	Sm ₂ O ₃	Samarium Oxide
CuSO ₄	Copper Sulphate	SmF ₃	Samarium Fluoride
DyF ₃	Dysprosium Fluoride	SnO ₂	Tin Oxide
Er	Erbium REE Glass	Sr	Strontium REE Glass
ErF ₃	Erbium Fluoride	SrF ₂	Strontium Fluoride
Eu ₂ O ₃	Europium (III) Oxide	SrTiO ₃	Strontium Titanate

EuF ₃	Europium Fluoride	Ta ₂ O ₅	Tantalum Oxide
Fe ₂ O ₃	Hematite	TaN	Tantalum Nitride
Fe ₂ P	Iron Phosphide	TaSi ₂	Tantalum Silicide
Fe ₃ C	Iron Carbide	TbF ₃	Terbium Fluoride
FeO	Ferrous Oxide	TbSi ₂	Terbium Silicate
FeS	Synthetic Trolite	TeO ₂	Tellurite
FeSi ₂	Iron Silicide	Th	Thorium Ree-Glass
Ga ₂ Se ₃	Gallium Selenide	ThO ₂	Thorium Oxide
GaAs	Gallium Arsenide	TiC (325 mesh) 98%	Titanium Carbide
GaN	Gallium (III) Nitride	TiC (solid) 99.5%	Titanium Carbide
GaP	Gallium Phosphide	TiN	Titanium Nitride 99.5%
GaS	Gallium Sulphide	TiO	Titanium Monoxide
GaSb	Gallium Antimonide	TiO ₂	Titanium (IV) Oxide
Gd ₂ O ₃	Gadolinium (III) Oxide	TiSi ₂	Titanium (IV) Sulfide
Gd ₃ Ga ₅ O ₁₂	Gadolinium Gallium Garnet	TlBr	Thallium Bromide
GdF ₃	Gadolinium Fluoride	TlI	Thallium Iodide
HfO ₂	Hafnium Oxide	Tm	Thulium Ingot 99.9%
HgS	Mercury Sulphide (black)	TmSi ₂	Thulium Silicide
HgS	Mercury Sulphide (Red)	U	Uranium REE-Glass
HgTe	Mercury Telluride	UO ₂	Uranium Oxide
HoF ₃	Holmium Fluoride	VC	Vanadium Carbide
In ₂ Se ₃	Indium Selenide	V ₂ O ₅	Vanadium (V) Oxide
In ₂ Te ₃	Indium Telluride	WC	Tungsten Carbide

InAs	Indium Arsenide	WSi ₂	Tungsten Silicide
InP	Indium Phosphide	WTi	W 95%; Ti 5%;
InS	Indium Sulphide	Y ₂ O ₃	Yttrium Oxide
InSb	Indium Antimonide	Y ₃ Al ₅ O ₁₂	Yttrium Aluminium Garnet
K	Potassium REE Glass	YbF ₃	Ytterbium Fluoride
KBr	Potassium Bromide	ZnS	Zinc Sulphide
KCl	Potassium Chloride	ZnSe	Zinc Selenide
La	Lanthanum REE Glass	ZnTe	Zinc Telluride
La ₂ O ₃	Lanthanum (III) Oxide	ZrB ₂	Zirconium Boride
LaB ₆	Lanthanum Hexaboride	ZrC	Zirconium Carbide (Powder)
LaF ₃	Lanthanum Fluoride	ZrN	Zirconium Nitride
Li ₂ Nb ₂ O ₆	Lithium Niobate	ZrO ₂	Zirconium Oxide
Li ₂ Ta ₂ O ₆	Lithium Tantalate	ZrO ₂	Zirconium Oxide Yttria Slab 99.5%
LiF	Lithium Fluoride	ZrO ₂	Zirconium Oxide
		Tablets	99.995% REE Free Glass Blank

Compounds which are marked * are natural, and the remainder are synthetic.

► List of Pure Standards

Formulae	Name	Formulae	Name
Ag	Silver	Mo	Molybdenum
Al	Aluminium	Nb	Niobium
As	Arsenic	Ni	Nickel
Au	Gold	Os	Osmium
B	Boron	Pb	Lead (Very soft material)

Be	Beryllium	Pd	Palladium
Bi	Bismuth	Pt	Platinum
C	Carbon	Re	Rhenium
Cd	Cadmium	Rh	Rhodium
Co	Cobalt	Ru	Ruthenium
Cr	Chromium	Sb	Antimony
Cu	Copper	Sc	Scandium
Fe	Iron	Se	Selenium
Gd	Gadolinium	Si	Silicon
Ge	Germanium	Sn	Tin
Hf	Hafnium	Ta	Tantalum
In	Indium (Very soft material)	Te	Tellurium
Ir	Iridium	Ti	Titanium
La	Lanthanum	Tl	Thallium (Very soft material)
Mg	Magnesium	Tm	Thulium
Mn	Manganese	V	Vanadium
		W	Tungsten

► **Natural Mineral Standards**

Formulae	Name	Formulae	Name
NaAlSi ₃ O ₈	Albite	Ca(Mg,Fe)Si ₂ O ₆	Diopside
Fe ₃ Al ₂ Si ₃ O ₁₂	Almandine Garnet	CaMg(CO ₃) ₂	Dolomite
Ca ₃ Fe ₂ (SiO ₄) ₃	Andradite	CaF ₂	Fluorite
CaSO ₄	Anhydrite	Mg ₂ SiO ₄	Forsterite
Ca ₅ (PO ₄) ₃ (F,Cl,OH)	Apatite	Mn ₃ Al ₂ Si ₃ O ₁₂	Garnet Spessartine
(Ca,Mg,Fe) ₂ (SiAl) ₂ O ₆	Augite	NaAlSi ₂ O ₆	Jadeite

$\text{Cu}_3(\text{CO}_3)_2(\text{OH})_2$	Azurite	Formulae	Name
BaSO_4	Baryte (Cumbria)	Al_2SiO_5	Kyanite
BaSO_4	Baryte (Shropshire)	Fe_3O_4	Magnetite
BaTiS_3O_9	Benitoite	$\text{Cu}_2\text{CO}_3(\text{OH})_2$	Malachite
$\text{Be}_3\text{Al}_2\text{Si}_6\text{O}_{18}$	Beryl	$(\text{Mg.Fe})_2\text{SiO}_4$	Olivine
CaCO_3	Calcite	KAlSi_3O_8	Orthoclase
Formulae	Name	FeS_2	Pyrite
SrSO_4	Celestine	MnSiO_3	Rhodonite
$\text{BaAl}_2\text{Si}_2\text{O}_8$	Celsian	CaTiSiO_5	Sphene
FeCr_2O_4	Chromite	Zn_2SiO_4	Willemite
Cu_2O	Cuprite	CaSiO_3	Wollastonite
Cu_2S	Chalcocite	ZrSiO_4	Zircon
CuFeS_2	Chalcopyrite		

► **Natural Minerals**

Formulae	Name
$\text{CaAl}_2\text{Si}_2\text{O}_8$	Anorthite Powder
$\text{K}(\text{Mg,Fe})_3\text{AlSi}_3\text{O}_{10}(\text{OH})_2$	Biotite Powder
PbCrO_4	Crocoite Powder
PbS	Galena
$\text{Ca}_2(\text{Mg,Fe,Al})_5(\text{Al,Si})_8\text{O}_{22}(\text{OH})_2$	Hornblende (Amphibole)
FeTiO_3	Ilmenite Powder
SiTiAlFeMgCaNaKO	Kaersutite (KK1-15)
AlSi_2O_6	Pollucite

► **Natural Minerals (No Certificate of Analysis)**

Formulae	Name	Formulae	Name
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CaAl ₂ Si ₂ O ₈	Anorthite	NiS	Millerite (Nickel Sulphide)
(Mn,Ca)SiO ₃	Bustamite	(Ce,La,Th NdY)PO ₄	Monazite
SnO ₂	Cassiterite (Tin Oxide)	(Ce,La,Th)PO ₄	Monazite Powder
SrSO ₄	Celestine	KAl ₂ (AlSi ₃ O ₁₀)	Muscovite
CuFeS ₂	Chalcopyrite	SiO ₂	Obsidian
FeCr ₂ O ₄	Chromite	ZnS	Sphalerite
CoAsS	Cobaltite	LiAlSi ₂ O ₆	Spodumene (Lithium Aluminium Silicate)
	Chrome Diopside	Na ₄ AlBe(Si ₄ O ₁₂)Cl	Tugtupite
FeTiO ₃	Ilmenite	Sb ₂ O ₃	Valentinite (Antimony Oxide)
KAlSi ₃ O ₆	Microcline		

► List of NBS Standards

Formulae	Name	Notes
SRM 101g	Cr 18%; Ni 10%	AISI 304L Stainless Steel
SRM C1287	High Alloy Steel	AISI 310 Mod. ACI HK
SRM 160b	Cr 19%; Ni 12%; Mo 3%	AISI 316 Stainless Steel
SRM 121d	Cr 17%; Ni 11%; Ti 0.3%	AISI 321 Stainless Steel
SRM 343a	Cr 16%; Ni 2%	AISI 431 Stainless Steel
SRM 361	-	AISI 4340 Steel
SRM 132b	-	AISI M-2 Tool Steel
SRM 478	Cu 73%; Zn 27%	Cartridge Brass
SRM 481	Au/Ag Set of 6	Gold-Silver wires
SRM 482	Au/Cu Set of 6	Gold-Copper wires
SRM 710	Soda-Lime-Silica glass	-
SRM 1872	Set of three glasses	K-453; K-491; K-968

SRM 1134	High Silicon Steel	-
SRM 1160	Ni-80% Mo-4% Fe-14%	Electronic & Magnetic alloy
SRM 1276a	Cu 67.5%; Ni 30.8%	CDA 715
SRM C2400	High Alloy Steel	ACI 17/4 PH
SRM 872	Phosphor Bronze B2	CDA 544
SRM 179	High Silicon Steel	-
SRM 480	W 78.5% Mo 21.5%	Tungsten 20% Molybdenum Alloy

► **List of BAS EURO Standards**

Formulae	Name	Notes
481-1	Cast Iron	-
281-1	Cr 18.7%; Ni 9.3%	Highly alloyed steel
553-1	High Carbon Fe-Cr	B.C.S. No. 204/4

► **B.C.S. Stainless Steel Spectroscopic Standards**

Formulae	Name	Notes
S.S. No. 62	Austenitic	B.S. 970 En 58D
S.S. No. 63	Austenitic	B.S. 970 En 58A & 58E
S.S. No. 72	Ferritic	-
S.S. No. 461	Austenitic	-
S.S. No. 464	Austenitic	-
S.S. No. 465	Austenitic	-
S.S. No. 466	Austenitic	-
S.S.-CRM No. 474	-	B.S. 970, type 317
S.S. No. 495/1	13% Manganese steel	Containing Ni & Cr
B.C.S. No. 204/4	High Carbon Ferro-Chromium	
BCS No. 179/2	High-Tensile Brass	-

BCS/SS-CRM No 470	Ferritic Stainless Steel	-
BCS/SS-CRM No 355	Tin Ore Sn 31.42%	MBH#206A355

► **Assorted Standards**

Formulae	Name	Notes
ISO 3585	Borosilicate 3.3 glass	Duran glass
AISI 316	Stainless Steel	EN58J Wire.
AISI 304L	Stainless Steel	From Advent (1mm wire)
Glass No 1360-3		
B.S.153	AISI Grade 430 F Stainless Steel	
B.S. 154	Stainless Steel 430FR (High Silicon)	

► **M.B.H. Standards**

Formulae	Name	Notes
27X14386	Ni; Cr; Co; Mo Cast.	
11X S/1-CR1	Corr.Resist Cast Iron	Chill cast.
210X11775	Ni; Co; Cr; Al; Ti Cast.	
212NN50.01	Ni Rem; Cu 30%; Sn 10%; Fe 4%.	BNF.
31XWSB1	Silicon Brass Cast.	
59XG77J1	Al; Zn; Mg; Cu Cast.	
81XPA12.5	Sb 12.6%; Pb 87.4%	
111X12670	Cr 19.31%; W 10.1%	Cobalt/Tungsten Cast.
204JC	Fluorspar	Swedish Inst for Metals Res.
206ABL5	Uranium Ore. U 7.09%	Canada Centre for Mineral and Energy Technology
206A355	Tin Ore. Sn 31.42%	BCS-CRM No. 355
13MBS89	Martensitic Stainless Steel	AISI 410

13MBS91E	Martensitic Stainless Steel	AISI 430
13MBS186A	High Alloy Stainless Steel	INVAR 36
14XHS1	High Speed Steel	Tool steel T-1
(37MBS314B) (37MBS360A) (37MBS630)	Copper Alloy	CDA 314, CDA 360, CDA 630
14HYT2/2	Steel	
Ref 0683	Bronze (85c,5Sn,5Pb,5Zn)	
C13X170020	Austenitic Stainless Steel	
C55XG02D60	Aluminium/Silicon/Copper	Chippings
(55XG900J5) (55XG26H5) (55XG04H8) (55XG04H6)	Aluminium/Silicon/Copper	Cast
43XZ2	Zinc/Aluminium/Copper	Cast
55XG900JB	Aluminium/Silicon/Copper	Cast
58XG40H9	Aluminium/Zinc	Cast
FCr-3-1		
14M B.S. 190	High Manganese Stainless Steel	
13X 18001	Austenitic Stainless Steel	Cast
(65XMGA5) (65X MGA1) (65XMGA3)	Manganese/Aluminium/Zinc	Cast
54X G231 H4		