

Registered sample for BL14B2 XAFS Standard Sample Database

Updated 2.1.2024

H																	He
Li	Be											B	C	N	O	F	Ne
Na	Mg											Al	Si	P	S	Cl	Ar
K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Kr
Rb	Sr	Y	Zr	Nb	Mo	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Te	I	Xe
Cs	Ba	L	Hf	Ta	W	Re	Os	Ir	Pt	Au	Hg	Tl	Pb	Bi	Po	At	Rn
Fr	Ra	A															
	L	La	Ce	Pr	Nd	Pm	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	
	A	Ac	Th	Pa	U	Np	Pu	Am	Cm	Bk	Cf	Es	Fm	Md	No	Lr	

... K Edge,
 ... K&L Edge,
 ... L Edge,
 ... unavailable

- Ca

Absorption edge : K-edge、 Net plane : Si(111)

Sample name	Notation in the database
$\text{Ca}(\text{CH}_3\text{COO})_2 \cdot x\text{H}_2\text{O}$	Ca(CH3COO)2_xH2O
$\text{Ca}(\text{H}_2\text{PO}_4)_2$	Ca(H2PO4)2
$\text{Ca}(\text{NO}_3)_2 \cdot x\text{H}_2\text{O}$	Ca(NO3)2_xH2O
$\text{Ca}(\text{OH})_2$	Ca(OH)2
$\text{Ca}_2\text{Fe}_2\text{O}_5$	Ca2Fe2O5
$\text{Ca}_3(\text{PO}_4)_2 \cdot x\text{H}_2\text{O}$	Ca3(PO4)2_xH2O
Ca_3N_2	Ca3N2
$\text{Ca}_5(\text{OH})(\text{PO}_4)_3$	Ca5(OH)(PO4)3
CaAl_2O_4	CaAl2O4
CaBr_2	CaBr2
CaC_2	CaC2
CaC_2O_4	CaC2O4
CaCO_3	CaCO3
CaCl_2	CaCl2
$\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$	CaCl2_2H2O
CaF_2	CaF2
CaH_2	CaH2
CaI_2	CaI2
CaMoO_4	CaMoO4
CaO	CaO
CaO_2	CaO2
CaS	CaS
CaSO_4	CaSO4
$\text{CaSO}_4 \cdot 1/2\text{H}_2\text{O}$	CaSO4_1_2H2O
CaSiO_3	CaSiO3
CaSnO_3	CaSnO3

CaTiO ₃	CaTiO3
CaWO ₄	CaWO4
CaZrO ₃	CaZrO3
29species (as of 2.1.2022)	

- Ti

Absorption edge : K-edge、 Net plane : Si(111)

Sample name	Notation in the database
BaTiO ₃	BaTiO3
Bi ₄ Ti ₃ O ₁₂	Bi4Ti3O12
CaTiO ₃	CaTiO3
K ₂ Ti ₄ O ₉	K2Ti4O9
La ₂ Ti ₂ O ₇	La2Ti2O7
Li ₂ TiO ₃	Li2TiO3
Li ₄ Ti ₅ O ₁₂	Li4Ti5O12
MgTiO ₃	MgTiO3
Na ₂ Ti ₃ O ₇	Na2Ti3O7
Na ₂ TiO ₃	Na2TiO3
PbTiO ₃	PbTiO3
SrTiO ₃	SrTiO3
Ti-foil	Ti-foil
Ti ₂ O ₃ (metal base)	Ti2O3(metal_base)
TiB ₂	TiB2
TiC	TiC
TiH ₂ (metal base)	TiH2(metal_base)
TiN	TiN
TiO ₂ (anatase)	TiO2(anatase)
TiO ₂ (brookite)	TiO2(brookite)
TiO ₂ (rutile)	TiO2(rutile)
TiO(metal base)	TiO(metal_base)
TiS ₂	TiS2
TiSe ₂	TiSe2
TiSi ₂	TiSi2
approx. Cs ₂ Ti ₄ O ₉	approx_Cs2Ti4O9

26 species (as of 1.31.2023)

- V

Absorption edge : K-edge, Net plane : Si(111)

Sample name	Notation in the database
CsVO ₃	CsVO3
LiVO ₃	LiVO3
NH ₄ VO ₃	NH4VO3
SrV ₂ O ₆	SrV2O6
V-foil	V-foil
V ₂ O ₃	V2O3
V ₂ O ₅	V2O5
V ₃ Ga	V3Ga
V ₃ Si	V3Si
VB ₂	VB2
VC	VC
VN	VN
VO ₂	VO2
VOSO ₄ · xH ₂ O	VOSO4_xH2O
VSi ₂	VSi2
approx. V ₂ S ₃	approx_V2S3
16 species (as of 1.23.2023)	

- Cr

Absorption edge : K-edge、 Net plane : Si(111)

Sample name	Notation in the database
BaCr ₂ O ₄	BaCr2O4
Cr(C ₅ H ₇ O ₂) ₃	Cr(C5H7O2)3
Cr(CH ₃ COO) ₃ · xH ₂ O	Cr(CH ₃ COO)3_xH2O
Cr(NO ₃) ₃ · 9H ₂ O	Cr(NO3)3_9H2O
Cr(OH) ₃	Cr(OH)3
Cr-foil	Cr-foil
Cr ₂ (SO ₄) ₃ · xH ₂ O	Cr2(SO4)3_xH2O
Cr ₂ O ₃	Cr2O3
Cr ₂ S ₃	Cr2S3
CrB	CrB
CrB ₂	CrB2
CrBr ₃ · 6H ₂ O	CrBr3_6H2O
CrCl ₃	CrCl3
CrF ₃ · xH ₂ O	CrF3_xH2O
CrO ₃	CrO3
CrSi ₂	CrSi2
CuCr ₂ O ₄	CuCr2O4
HAVAR	HAVAR
Hastelloy C-276	Hastelloy_C-276
Inconel 600	Inconel_600
Iron chromium 10(Fe90% · Cr9% · Mo1%)	Iron_chromium_10
Iron chromium type 2	Iron_chromium_2
K ₂ Cr ₂ O ₇	K2Cr2O7
K ₂ CrO ₄	K2CrO4
Nichrome	Nichrome

Stainless steel SUS301	SUS301
Stainless steel SUS304	SUS304
Stainless steel SUS316L	SUS316L
Stainless steel SUS430	SUS430
Stainless steel SUS631	SUS631
ZnCr ₂ O ₄	ZnCr2O4
31 species(as of 10.9.2020)	

● Mn

Absorption edge : K-edge、 Net plane : Si(111)のみ

Sample name	Notation in the database
$C_{32}H_{16}MnN_8$	C32H16MnN8
$KMnO_4$	KMnO4
$Li_2Mn_3NiO_8$	Li2Mn3NiO8
Li_2MnO_3	Li2MnO3
$LiMn_2O_4$	LiMn2O4
$LiNi_{0.33}Mn_{0.33}Co_{0.33}O_2$	LiNi0_33Mn0_33Co0_33O2
Manganin	Manganin
$Mn(C_5H_7O_2)_3$	Mn(C5H7O2)3
$Mn(CH_3COO)_2 \cdot 4H_2O$	Mn(CH3COO)2_4H2O
$Mn(NO_3)_2 \cdot 6H_2O$	Mn(NO3)2_6H2O
Mn-foil	Mn-foil
Mn_2O_3	Mn2O3
Mn_3O_4	Mn3O4
MnB	MnB
MnC_2O_4	MnC2O4
$MnCO_3$	MnCO3
$MnCl_2$	MnCl2
$MnCl_2 \cdot 4H_2O$	MnCl2_4H2O
$MnCr_2O_4$	MnCr2O4
MnF_2	MnF2
$MnFe_2O_4$	MnFe2O4
MnI_2	MnI2
MnO	MnO
MnO_2	MnO2
$MnSO_4 \cdot 4-5H_2O$	MnSO4_4-5H2O
MnSb	MnSb

MnSi	MnSi
MnTiO ₃	MnTiO3
YMnO ₃	YMnO3
α-MnS	a-MnS
approx. MnBr ₂	approx_MnBr2
31 species(as of 9.20.2023)	

● Fe

Absorption edge : K-edge、 Net plane : Si(111)のみ

Sample name	Notation in the database
$(\text{NH}_4)_2\text{Fe}(\text{SO}_4)_2 \cdot x\text{H}_2\text{O}$	(NH4)2Fe(SO4)2_xH2O
$(\text{NH}_4)\text{Fe}(\text{SO}_4)_2 \cdot x\text{H}_2\text{O}$	(NH4)Fe(SO4)2_xH2O
42 Invar	42_Invar
45 Permalloy	45_Permalloy
78 Permalloy	78_Permalloy
$\text{BaFe}_{12}\text{O}_{19}$	BaFe12O19
$\text{C}_{32}\text{H}_{16}\text{FeN}_8$	C32H16FeN8
$\text{Ca}_2\text{Fe}_2\text{O}_5$	Ca2Fe2O5
CuFe_2O_4	CuFe2O4
$\text{Fe}(\text{C}_5\text{H}_7\text{O}_2)_3$	Fe(C5H7O2)3
$\text{Fe}(\text{NO}_3)_3 \cdot 9\text{H}_2\text{O}$	Fe(NO3)3_9H2O
Fe-foil	Fe-foil
$\text{Fe}_2(\text{SO}_4)_3 \cdot x\text{H}_2\text{O}$	Fe2(SO4)3_xH2O
$\text{Fe}_3(\text{PO}_4)_2 \cdot 8\text{H}_2\text{O}$	Fe3(PO4)2_8H2O
Fe_3N	Fe3N
Fe_3O_4	Fe3O4
Fe_3P	Fe3P
Fe_4N	Fe4N
FeB	FeB
FeBr_3	FeBr3
FeCl_2	FeCl2
$\text{FeCl}_2 \cdot 4\text{H}_2\text{O}$	FeCl2_4H2O
FeCl_3	FeCl3
$\text{FeCl}_3 \cdot 6\text{H}_2\text{O}$	FeCl3_6H2O
$\text{FeF}_3 \cdot 3\text{H}_2\text{O}$	FeF3_3H2O
FeMoO_4	FeMoO4

FeNi ₂ O ₄	FeNi2O4
FeO	FeO
FePO ₄	FePO4
FeS	FeS
FeS ₂	FeS2
FeSO ₄	FeSO4
FeSO ₄ · 7H ₂ O	FeSO4_7H2O
FeSe	FeSe
FeSi ₂	FeSi2
FeTiO ₃	FeTiO3
FeWO ₄	FeWO4
HAVAR	HAVAR
Hastelloy C-276	Hastelloy_C-276
Inconel 600	Inconel_600
Iron chromium 10(Fe90% · Cr9% · Mo1%)	Iron_chromium_10
Iron chromium type 2	Iron_chromium_2
KOVAR	KOVAR
LaFeO ₃	LaFeO3
LiFeO ₂	LiFeO2
LiFePO ₄	LiFePO4
MgFe ₂ O ₄	MgFe2O4
MnFe ₂ O ₄	MnFe2O4
Stainless steel SUS301	SUS301
Stainless steel SUS304	SUS304
Stainless steel SUS316L	SUS316L
Stainless steel SUS430	SUS430
Stainless steel SUS631	SUS631
Y ₃ Fe ₅ O ₁₂	Y3Fe5O12

ZnFe ₂ O ₄	ZnFe2O4
α-Fe ₂ O ₃	a-Fe2O3
α-FeOOH	a-FeOOH
approx. Fe(OH)(CH ₃ COO) ₂	approx_Fe(OH)(CH3COO)2
approx. Fe(OH) ₃	approx_Fe(OH)3
approx. FeBr ₂	approx_FeBr2
approx. γ-FeOOH	approx_g-FeOOH
μ -metal	mu-metal
62 species(as of 9.20.2023)	

- Co

Absorption edge : K-edge、 Net plane : Si(111)、 Si(311)

Sample name	Notation in the database
$C_{32}H_{16}CoN_8$	C32H16CoN8
$Co(C_2H_3O_2)_2 \cdot 4H_2O$	Co(C2H3O2)2_4H2O
$Co(C_5H_7O_2)_3$	Co(C5H7O2)3
$Co(NO_3)_2 \cdot 6H_2O$	Co(NO3)2_6H2O
$Co(OH)_2$	Co(OH)2
Co-foil	Co-foil
Co-oxide Black	Co-oxide_Black
Co_2P	Co2P
$Co_3(PO_4)_2 \cdot 8H_2O$	Co3(PO4)2_8H2O
Co_3O_4	Co3O4
$CoBr_2$	CoBr2
CoC_2O_4	CoC2O4
CoCO3(basic)	CoCO3(basic)
$CoCl_2$	CoCl2
CoF_2	CoF2
$CoFe_2O_4$	CoFe2O4
$CoMoO_4$	CoMoO4
CoO	CoO
$CoO(OH)$	CoO(OH)
CoS	CoS
CoS_2	CoS2
$CoSO_4 \cdot 7H_2O$	CoSO4_7H2O
CoSb	CoSb
$CoTiO_3$	CoTiO3
$CoWO_4$	CoWO4
HAVAR	HAVAR

KOVAR	KOVAR
LiCoO ₂	LiCoO2
LiCoPO ₄	LiCoPO4
LiNi _{0.33} Mn _{0.33} Co _{0.33} O ₂	LiNi0_33Mn0_33Co0_33O2
LiNi _{0.8} Co _{0.2} O ₂	LiNi0_8Co0_2O2
31 species (as of 10.9.2020)	

- Ni

Absorption edge : K-edge、 Net plane : Si(111)、 Si(311)

Sample name	Notation in the database
42 Invar	42_Invar
45 Permalloy	45_Permalloy
78 Permalloy	78_Permalloy
C ₃₂ H ₁₆ N ₈ Ni	C32H16N8Ni
Copper nickel	Copper_nickel
HAVAR	HAVAR
Hastelloy C-276	Hastelloy_C-276
Inconel 600	Inconel_600
K ₂ Ni(H ₂ IO ₆) ₂	K2Ni(H2IO6)2
K ₂ NiF ₆	K2NiF6
KOVAR	KOVAR
Li ₂ Mn ₃ NiO ₈	Li2Mn3NiO8
LiNi _{0.33} Mn _{0.33} Co _{0.33} O ₂	LiNi0_33Mn0_33Co0_33O2
LiNi _{0.8} Co _{0.2} O ₂	LiNi0_8Co0_2O2
LiNiO ₂	LiNiO2
Manganin	Manganin
Ni(C ₂ H ₃ O ₂) ₂ · xH ₂ O	Ni(C2H3O2)2_xH2O
Ni(C ₅ H ₇ O ₂) ₂	Ni(C5H7O2)2
Ni(NO ₃) ₂ · 6H ₂ O	Ni(NO3)2_6H2O
Ni(OH) ₂	Ni(OH)2
Ni-foil	Ni-foil
Ni ₂ O ₃	Ni2O3
NiBr ₂	NiBr2
NiC ₂ O ₄ · 2H ₂ O	NiC2O4_2H2O
NiCO ₃ (basic)	NiCO3(basic)
NiCO ₃ · xH ₂ O	NiCO3_xH2O

NiCl ₂	NiCl2
NiCl ₂ · 6H ₂ O	NiCl2_6H2O
NiF ₂	NiF2
NiFe ₂ O ₄	NiFe2O4
NiI ₂	NiI2
NiMoO ₄	NiMoO4
NiO	NiO
NiS	NiS
NiSO ₄	NiSO4
NiSO ₄ · 6H ₂ O	NiSO4_6H2O
NiTiO ₃	NiTiO3
NiWO ₄	NiWO4
Nichrome	Nichrome
Nickel silver	Nickel_silver
Stainless steel SUS301	SUS301
Stainless steel SUS304	SUS304
Stainless steel SUS316L	SUS316L
Stainless steel SUS631	SUS631
μ -metal	mu-metal
45 species (as of 12.14.2020)	

- Cu

Absorption edge : K-edge, Net plane : Si(111)、Si(311)

Sample name	Notation in the database
$C_{32}H_{16}CuN_8$	C32H16CuN8
Copper nickel	Copper_nickel
$Cu(C_5H_7O_2)_2$	Cu(C5H7O2)2
$Cu(CH_3COO)_2$ (neutral)	Cu(CH3COO)2(neutral)
$Cu(NO_3)_2 \cdot 3H_2O$	Cu(NO3)2_3H2O
$Cu(OH)_2$	Cu(OH)2
Cu-foil	Cu-foil
Cu_2O	Cu2O
Cu_2S	Cu2S
Cu_3N	Cu3N
$CuBr_2$	CuBr2
$CuC_2O_4 \cdot H_2O$	CuC2O4_H2O
$CuCO_3$ (basic)	CuCO3(basic)
$CuCl$	CuCl
$CuCl_2$	CuCl2
$CuCl_2 \cdot 2H_2O$	CuCl2_2H2O
$CuCr_2O_4$	CuCr2O4
$CuF_2 \cdot 2H_2O$	CuF2_2H2O
$CuFe_2O_4$	CuFe2O4
CuI	CuI
$CuMoO_4$	CuMoO4
CuO	CuO
$CuSO_4$	CuSO4
$CuSO_4 \cdot 5H_2O$	CuSO4_5H2O
$CuSe$	CuSe
$CuWO_4$	CuWO4

Manganin	Manganin
Nickel silver	Nickel_silver
approx. CuF ₂	approx_CuF2
μ -metal	mu-metal
30 species (as of 10.9.2020)	

- Zn

Absorption edge : K-edge、Net plane : Si(111)、 Si(311)

Sample name	Notation in the database
$C_{32}H_{16}ZnN_8$	C32H16ZnN8
Nickel silver	Nickel_silver
$Cu(C_5H_7O_2)_2 \cdot xH_2O$	Cu(C5H7O2)2_xH2O
$Zn(CH_3COO)_2 \cdot 2H_2O$	Zn(CH3COO)2_2H2O
$Zn(NO_3)_2 \cdot 6H_2O$	Zn(NO3)2_6H2O
Zn-foil	Zn-foil
$Zn_2B_6O_{11}$	Zn2B6O11
$Zn_2P_2O_7$	Zn2P2O7
Zn_2SiO_4	Zn2SiO4
$Zn_3(PO_4)_2 \cdot 4H_2O$	Zn3(PO4)2_4H2O
Zn_3As_2	Zn3As2
Zn_4Sb_3	Zn4Sb3
$ZnAl_2O_4$	ZnAl2O4
$ZnAs_2$	ZnAs2
$ZnBr_2$	ZnBr2
$ZnC_2O_4 \cdot 2H_2O$	ZnC2O4_2H2O
$ZnCl_2$	ZnCl2
$ZnCr_2O_4$	ZnCr2O4
ZnF_2	ZnF2
$ZnF_2 \cdot 4H_2O$	ZnF2_4H2O
$ZnFe_2O_4$	ZnFe2O4
ZnI_2	ZnI2
$ZnMoO_4$	ZnMoO4
ZnO	ZnO
ZnS	ZnS
ZnS(melt)	ZnS(melt)

$\text{ZnSO}_4 \cdot 7\text{H}_2\text{O}$	ZnSO4_7H2O
ZnSb	ZnSb
ZnSeO_3	ZnSeO3
ZnTe	ZnTe
ZnWO_4	ZnWO4
approx. $5\text{ZnO} \cdot 2\text{CO}_3 \cdot 4\text{H}_2\text{O}$	approx._5ZnO_2CO3_4H2O
32 species (as of 2.1.2024)	

- Ga

Absorption edge : K-edge、 Net plane : Si(111)、 Si(311)

Sample name	Notation in the database
Ga(NO ₃) ₃ _xH ₂ O	Ga(NO3)3_xH2O
Ga ₂ (SO ₄) ₃	Ga2(SO4)3
Ga ₂ (SO ₄) ₃ _xH ₂ O	Ga2(SO4)3_xH2O
Ga ₂ O ₃	Ga2O3
Ga ₂ S ₃	Ga2S3
Ga ₂ Se ₃	Ga2Se3
Ga ₂ Te ₃	Ga2Te3
GaAs	GaAs
GaBr ₃	GaBr3
GaCl ₃	GaCl3
GaI ₃	GaI3
GaN	GaN
GaO ₂ H	GaO2H
GaP	GaP
GaS	GaS
Ga powder	Ga_powder
V ₃ Ga	V3Ga
17 species (as of 2.1.2024)	

- Ge

Absorption edge : K-edge、 Net plane : Si(111)、 Si(311)

Sample name	Notation in the database
Ge ₃ N ₄	Ge3N4
GeO ₂	GeO2
GeS	GeS
GeS ₂	GeS2
GeSe	GeSe
GeTe	GeTe
Ge_powder	Ge_powder
Li ₂ GeO ₃	Li2GeO3
Na ₂ GeO ₃	Na2GeO3
9 species (as of 2.22.2023)	

- As

Absorption edge : K-edge、Net plane : Si(111)、 Si(311)

Sample name	Notation in the database
As ₂ O ₃	As2O3
As ₂ O ₅	As2O5
As ₂ S ₃	As2S3
As powder	As_powder
GaAs	GaAs
InAs(metal base)	InAs(metal_base)
Zn ₃ As ₂	Zn3As2
ZnAs ₂	ZnAs2
8 species (as of 2.1.2024)	

- Sr

Absorption edge : K-edge、 Net plane : Si(111)、 Si(311)

Sample name	Notation in the database
$\text{Sr}(\text{NO}_3)_2$	Sr(NO3)2
$\text{Sr}(\text{OH})_2$	Sr(OH)2
$\text{Sr}(\text{OH})_2 \cdot 8\text{H}_2\text{O}$	Sr(OH)2_8H2O
$\text{Sr}_{0.95}\text{Eu}_{0.02}\text{Dy}_{0.03}\text{Al}_2\text{O}_4$	Sr0_95Eu0_02Dy0_03Al2O4
SrAl_2O_4	SrAl2O4
SrBr_2	SrBr2
$\text{SrBr}_2 \cdot 6\text{H}_2\text{O}$	SrBr2_6H2O
$\text{SrC}_2\text{O}_4 \cdot \text{H}_2\text{O}$	SrC2O4 · H2O
SrCO_3	SrCO3
SrCl_2	SrCl2
$\text{SrCl}_2 \cdot 6\text{H}_2\text{O}$	SrCl2_6H2O
SrF_2	SrF2
$\text{SrFe}_{12}\text{O}_{19}$	SrFe12O19
SrI_2	SrI2
SrMoO_4	SrMoO4
SrO	SrO
SrS	SrS
SrSO_4	SrSO4
SrSi_2	SrSi2
SrTiO_3	SrTiO3
SrV_2O_6	SrV2O6
SrWO_4	SrWO4
SrZrO_3	SrZrO3
stabilized $\text{ZrO}_2(\text{CSZ})$	approx_Sr3N2
stabilized $\text{ZrO}_2(\text{MSZ})$	approx_SrNb2O6
approx. SrTa_2O_6	approx_SrTa2O6

26 species (as of 1.31.2023)

● Y

Absorption edge : K-edge、 Net plane : Si(111)、 Si(311)

Sample name	Notation in the database
$\text{NaY}_{0.77}\text{Yb}_{0.20}\text{Eu}_{0.03}\text{F}_4$	NaY0_77Yb0_20Eu0_03F4
$\text{Y}(\text{NO}_3)_3 \cdot 6\text{H}_2\text{O}$	Y(NO3)3_6H2O
Y-foil	Y-foil
$\text{Y}_{1.92}\text{Eu}_{0.08}\text{O}_3$	Y1_92Eu0_08O3
$\text{Y}_2(\text{CO}_3)_3 \cdot x\text{H}_2\text{O}$	Y2(CO3)3_xH2O
$\text{Y}_2(\text{SO}_4)_3$	Y2(SO4)3
Y_2O_3	Y2O3
Y_2S_3	Y2S3
$\text{Y}_3\text{Al}_5\text{O}_{12}$	Y3Al5O12
$\text{Y}_3\text{Fe}_5\text{O}_{12}$	Y3Fe5O12
$\text{Y}_4\text{Al}_2\text{O}_9$	Y4Al2O9
YAlO_3	YAlO3
YB_6	YB6
YCl_3	YCl3
$\text{YCl}_3 \cdot x\text{H}_2\text{O}$	YCl3_xH2O
YF_3	YF3
YH_2	YH2
YMnO_3	YMnO3
YN	YN
$\text{YPO}_4 \cdot x\text{H}_2\text{O}$	YPO4_xH2O
approx. YSi	approx_YSi
21 species (as of 9.20.2023)	

- Zr

Absorption edge : K-edge、 Net plane : Si(111)、 Si(311)

Sample name	Notation in the database
BaZrO ₃	BaZrO3
Li ₂ ZrO ₃	Li2ZrO3
Na ₂ ZrO ₃	Na2ZrO3
PbZrO ₃	PbZrO3
SrZrO ₃	SrZrO3
Zr(OH) ₄	Zr(OH)4
Zr(SO ₄) ₂ · 4H ₂ O	Zr(SO4)2_4H2O
Zr-foil	Zr-foil
ZrB ₂	ZrB2
ZrC	ZrC
ZrCl ₄	ZrCl4
ZrH ₂	ZrH2
ZrI ₄	ZrI4
ZrN	ZrN
ZrO(CH ₃ COO) ₂	ZrO(CH3COO)2
ZrO(NO ₃) ₂ · 2H ₂ O	ZrO(NO3)2_2H2O
ZrO ₂	ZrO2
ZrOCl ₂ · 8H ₂ O	ZrOCl2_8H2O
ZrS ₂	ZrS2
ZrSi ₂	ZrSi2
approx. ZrSiO ₄	approx_ZrSiO4
stabilized ZrO ₂ (CSZ)	stabilized_ZrO2(CSZ)
stabilized ZrO ₂ (MSZ)	stabilized_ZrO2(MSZ)
stabilized ZrO ₂ (YSZ)	stabilized_ZrO2(YSZ)
24 species (as of 6.6.2017)	

- Nb

Absorption edge : K-edge、 Net plane : Si(111)、 Si(311)

Sample name	Notation in the database
KNbO_3	KNbO3
LiNbO_3	LiNbO3
NaNbO_3	NaNbO3
Nb-foil	Nb-foil
Nb_2O_5	Nb2O5
NbB	NbB
NbB_2	NbB2
NbBr_5	NbBr5
NbC	NbC
NbCl_5	NbCl5
NbF_5	NbF5
NbN	NbN
NbO	NbO
NbO_2	NbO2
NbOCl_3	NbOCl3
NbS_2	NbS2
NbSi_2	NbSi2
NbTe_4	NbTe4
approx. Nb_2O_3	approx_Nb2O3
approx. SrNb_2O_6	approx_SrNb2O6
20 species (as of 1.31.2023)	

● Mo

Absorption edge : K-edge、 Net plane : Si(111)、 Si(311)

Sample name	Notation in the database
$(\text{NH}_4)_6\text{Mo}_7\text{O}_{24} \cdot 4\text{H}_2\text{O}$	(NH4)6Mo7O24_4H2O
Ag_2MoO_4	Ag2MoO4
BaMoO_4	BaMoO4
Bi_2MoO_6	Bi2MoO6
CaMoO_4	CaMoO4
CoMoO_4	CoMoO4
CuMoO_4	CuMoO4
FeMoO_4	FeMoO4
H_2MoO_4	H2MoO4
K_2MoO_4	K2MoO4
Li_2MoO_4	Li2MoO4
MgMoO_4	MgMoO4
Mo-foil	Mo-foil
Mo_2C	Mo2C
Mo_2N	Mo2N
MoB	MoB
MoCl_5	MoCl5
MoO_2	MoO2
MoO_3	MoO3
MoS_2	MoS2
MoSi_2	MoSi2
MoTe_2	MoTe2
Na_2MoO_4	Na2MoO4
NiMoO_4	NiMoO4
SrMoO_4	SrMoO4
approx. MoSe_2	approx_MoSe2

26 species (as of 1.31.2023)

- Ru

Absorption edge : K-edge、 Net plane : Si(111)、 Si(311)

Sample name	Notation in the database
$\text{Ru}(\text{C}_{11}\text{H}_{19}\text{O}_2)_3$	$\text{Ru}(\text{C}_{11}\text{H}_{19}\text{O}_2)_3$
RuCl_3	RuCl_3
$\text{RuCl}_3\text{NO} \cdot x\text{H}_2\text{O}$	$\text{RuCl}_3\text{NO}_x\text{H}_2\text{O}$
$\text{RuCl}_3 \cdot x\text{H}_2\text{O}$	$\text{RuCl}_3_x\text{H}_2\text{O}$
RuI_3	RuI_3
$\text{RuI}_3 \cdot x\text{H}_2\text{O}$	$\text{RuI}_3_x\text{H}_2\text{O}$
RuO_2	RuO_2
$\text{RuO}_2 \cdot x\text{H}_2\text{O}$	$\text{RuO}_2_x\text{H}_2\text{O}$
$[\text{Ru}(\text{NH}_3)_5\text{Cl}]\text{Cl}_2$	$[\text{Ru}(\text{NH}_3)_5\text{Cl}]\text{Cl}_2$
$[\text{Ru}(\text{NH}_3)_5]\text{Cl}_2$	$[\text{Ru}(\text{NH}_3)_5]\text{Cl}_2$
$[\text{Ru}(\text{NH}_3)_6]\text{Cl}_2$	$[\text{Ru}(\text{NH}_3)_6]\text{Cl}_2$
$[\text{Ru}(\text{NH}_3)_6]\text{Cl}_3$	$[\text{Ru}(\text{NH}_3)_6]\text{Cl}_3$
12 species (as of 12.1.2016)	

- Rh

Absorption edge : K-edge、Net plane : Si(111)、 Si(311)

Sample name	Notation in the database
$[(CF_3CF_2CF_2CO_2)_2Rh]_2$	C16F28O8Rh2
$Rh(NO_3)_3 \cdot xH_2O$	Rh(NO3)3_xH2O
Rh-foil	Rh-foil
$Rh_2(OOCCH_3)_4$	Rh2(OOCCH3)4
Rh_2O_3	Rh2O3
$Rh_2O_3 \cdot xH_2O$	Rh2O3_xH2O
$RhCl_3$	RuCl3
$RhCl_3 \cdot xH_2O$	RhCl3_xH2O
8 species (as of 12.1.2016)	

- Pd

Absorption edge : K-edge、 Net plane : Si(111)、 Si(311)

Sample name	Notation in the database
$\text{Pd}(\text{CH}_3\text{COO})_2$	$\text{Pd}(\text{CH}_3\text{COO})_2$
$\text{Pd}(\text{NH}_3)_4\text{Cl}_2 \cdot \text{H}_2\text{O}$	$\text{Pd}(\text{NH}_3)_4\text{Cl}_2_ \text{H}_2\text{O}$
Pd-foil	Pd-foil
PdBr_2	PdBr_2
PdCl_2	PdCl_2
$\text{PdCl}_2 \cdot 2\text{H}_2\text{O}$	$\text{PdCl}_2_2\text{H}_2\text{O}$
PdI_2	PdI_2
PdO	PdO
$\text{PdO} \cdot x\text{H}_2\text{O}$	$\text{PdO}__x\text{H}_2\text{O}$
PdSO_4	PdSO_4
PdSi	PdSi
11 species (as of 12.1.2016)	

- Ag

Absorption edge : K-edge、 Net plane : Si(111)、 Si(311)

Sample name	Notation in the database
Ag-foil	Ag-foil
Ag ₂ CO ₃	Ag2CO3
Ag ₂ CrO ₄	Ag2CrO4
Ag ₂ MoO ₄	Ag2MoO4
Ag ₂ O	Ag2O
Ag ₂ O ₂	Ag2O2
Ag ₂ SO ₄	Ag2SO4
Ag ₂ Te	Ag2Te
Ag ₂ WO ₄	Ag2WO4
Ag ₄ P ₂ O ₇	Ag4P2O7
Ag ₄ RbI ₅	Ag4RbI5
AgAsF ₆	AgAsF6
AgCl	AgCl
AgClO ₃	AgClO3
AgClO ₄	AgClO4
AgClO ₄ · H ₂ O	AgClO4_H2O
AgClO ₄ · xH ₂ O	AgClO4_xH2O
AgF ₂	AgF2
AgI	AgI
AgNO ₃	AgNO3
AgReO ₄	AgReO4
AgSbF ₆	AgSbF6
AgVO ₃	AgVO3
C ₁₀ H ₉ AgN ₄ O ₂ S	C10H9AgN4O2S
C ₂ F ₅ CO ₂ Ag	C2F5CO2Ag
C ₆ H ₁₁ (CH ₂) ₃ CO ₂ Ag	C6H11(CH2)3CO2Ag

$\text{CF}_3\text{CF}_2\text{CF}_2\text{CO}_2\text{Ag}$	$\text{CF}_3\text{CF}_2\text{CF}_2\text{CO}_2\text{Ag}$
$\text{CH}_3\text{C}_6\text{H}_2\text{SO}_3\text{Ag}$	$\text{CH}_3\text{C}_6\text{H}_2\text{SO}_3\text{Ag}$
$\text{CH}_3\text{CH}(\text{OH})\text{COOAg}$	$\text{CH}_3\text{CH}(\text{OH})\text{COOAg}$
29 species (as of 2.9.2017)	

- In

Absorption edge : K-edge、 Net plane : Si(111)、 Si(311)

Sample name	Notation in the database
$\text{In}(\text{NO}_3)_3 \cdot x\text{H}_2\text{O}$	In(NO3)3_xH2O
$\text{In}(\text{OH})_3$	In(OH)3
$\text{In}(\text{SO}_4)_3$	In(SO4)3
$\text{In}(\text{SO}_4)_3 \cdot x\text{H}_2\text{O}$	In(SO4)3_xH2O
In-foil	In-foil
In_2O_3	In2O3
In_2S_3	In2S3
In_2Se_3	In2Se3
In_2Te_3	In2Te3
InAs(metal base)	InAs(metal_base)
InBr ₃ (metal base)	InBr3(metal_base)
InCl_3	InCl3
$\text{InCl}_3 \cdot x\text{H}_2\text{O}$	InCl3_xH2O
InF_3	InF3
$\text{InF}_3 \cdot x\text{H}_2\text{O}$	InF3_xH2O
InI ₃ (metal base)	InI3(metal_base)
InP(metal base)	InP(metal_base)
InS	InS
InSb	InSb
InSe	InSe
InTe	InTe
21 species (as of 6.24.2017)	

- Sn

Absorption edge : K-edge、Net plane : Si(111)、 Si(311)

Sample name	Notation in the database
CaSnO ₃	CaSnO3
H ₂ SnO ₃	H2SnO3
Smartec-H(Mn _{3.1} Zn _{0.5} Sn _{0.4} N)	Smartec-H
Smartec-M(Mn _{3.1} Zn _{0.5} Sn _{0.4} N)	Smartec-M
Sn-foil	Sn-foil
Sn ₂ P ₂ O ₇	Sn2P2O7
SnBr ₂	SnBr2
SnC ₂ O ₄	SnC2O4
SnCl ₂	SnCl2
SnCl ₂ · xH ₂ O	SnCl2_xH2O
SnCl ₄ · xH ₂ O	SnCl4_xH2O
SnF ₂	SnF2
SnI ₂	SnI2
SnI ₄	SnI4
SnO	SnO
SnO ₂	SnO2
SnS	SnS
SnS ₂	SnS2
SnSO ₄	SnSO4
SnSe	SnSe
SnTe	SnTe
21 species (as of 3.10.2021)	

- Sb

Absorption edge : K-edge, Net plane : Si(111)、Si(311)

Sample name	Notation in the database
AgSbF ₆	AgSbF6
AlSb	AlSb
InSb	InSb
MnSb	MnSb
Sb-foil	Sb-foil
Sb ₂ O ₃	Sb2O3
Sb ₂ O ₄	Sb2O4
Sb ₂ S ₃	Sb2S3
Sb ₂ Se ₃	Sb2Se3
Sb ₂ Te ₃	Sb2Te3
SbBr ₃	SbBr3
SbCl ₃	SbCl3
SbF ₃	SbF3
Zn ₄ Sb ₃	Zn4Sb3
ZnSb	ZnSb
approx. Sb ₂ O ₅	approx._Sb2O5
16 species (as of 9.19.2018)	

- Cs

Absorption edge : K-edge、Net plane : Si(311)

Absorption edge : L-edge、Net plane : Si(111)

Sample name	Notation in the database
(COOCs) ₂	(COOCs)2
Cs ₂ CO ₃	Cs2CO3
Cs ₂ SO ₄	Cs2SO4
CsBr	CsBr
CsCOOH	CsCOOH
CsCl	CsCl
CsClO ₄	CsClO4
CsF	CsF
CsI	CsI
CsNO ₃	CsNO3
CsVO ₃	CsVO3
approx. Cs ₂ Ti ₄ O ₉	approx_Cs2Ti4O9
12 species (as of 12.19.2019)	

- Ba

Absorption edge : K-edge、 Net plane : Si(311)

Absorption edge : L-edge、 Net plane : Si(111)

Sample name	Notation in the database
Ba(NO ₃) ₂	Ba(NO3)2
Ba(OH) ₂ · 8H ₂ O	Ba(OH)2_8H2O
Ba ₃ (PO ₄) ₂	Ba3(PO4)2
BaAl ₂ O ₄	BaAl2O4
BaB ₆	BaB6
BaBr ₂	BaBr2
BaBr ₂ · 2H ₂ O	BaBr2_2H2O
BaC ₂ O ₄	BaC2O4
BaCO ₃	BaCO3
BaCl ₂	BaCl2
BaCl ₂ · 2H ₂ O	BaCl2_2H2O
BaCrO ₄	BaCrO4
BaF ₂	BaF2
BaFe ₁₂ O ₁₉	BaFe12O19
BaHfO ₃	BaHfO3
BaI ₂	BaI2
BaI ₂ · 2H ₂ O	BaI2_2H2O
BaMoO ₄	BaMoO4
BaNb ₂ O ₆	BaNb2O6
BaO	BaO
BaO ₂	BaO2
BaS	BaS
BaSO ₄	BaSO4
BaSi ₂	BaSi2
BaTaO ₂ N	BaTaO2N

BaTiO ₃	BaTiO3
BaWO ₄	BaWO4
BaZrO ₃	BaZrO3
approx. Ba ₃ N ₂	approx_Ba3N2
approx. BaH ₂	approx_BaH2
30 species (as of 3.4.2020)	

- Ta

Absorption edge : K-edge、Net plane : Si(311)

Absorption edge : L-edge、Net plane : Si(111)、Si(311)

Sample name	Notation in the database
Ta-foil	Ta-foil
Ta ₂ O ₅	Ta2O5
Ta ₃ N ₅	Ta3N5
TaB	TaB
TaB ₂	TaB2
TaBr ₅	TaBr5
TaC	TaC
TaCl ₅	TaCl5
TaN	TaN
approx. SrTa ₂ O ₆	approx_SrTa2O6
approx. TaS ₂	approx_TaS2
12 species (as of 1.31.2023)	

● W

Absorption edge : K-edge、Net plane : Si(311)

Absorption edge : L-edge、Net plane : Si(111)、Si(311)

Sample name	Notation in the database
Ag ₂ WO ₄	Ag2WO4
BaWO ₄	BaWO4
CoWO ₄	CoWO4
CuWO ₄	CuWO4
FeWO ₄	FeWO4
H ₂ WO ₄	H2WO4
MnWO ₄	MnWO4
NiWO ₄	NiWO4
SrWO ₄	SrWO4
W(CO) ₆	W(CO)6
W-foil	W-foil
WB	WB
WBr ₅	WBr5
WC	WC
WCl ₅	WCl5
WCl ₆	WCl6
WO ₂	WO2
WO ₃	WO3
WS ₂	WS2
WSe ₂	WSe2
WSi ₂	WSi2
WTe ₂	WTe2
ZnWO ₄	ZnWO4
approx. W ₂ C	approx_W2C
24 species (as of 1.31.2023)	

- Ir

Absorption edge : L-edge、 Net plane : Si(111)、 Si(311)

Sample name	Notation in the database
$\text{Ir}(\text{C}_5\text{H}_7\text{O}_2)_3$	$\text{Ir}(\text{C}_5\text{H}_7\text{O}_2)_3$
Ir-foil	Ir-foil
IrCl_3	IrCl_3
$\text{IrCl}_3 \cdot 3\text{H}_2\text{O}$	$\text{IrCl}_3_3\text{H}_2\text{O}$
IrCl_4	IrCl_4
IrO_2	IrO_2
IrSi	IrSi
Ir_powder	Ir_powder
8 species (as of 2.22.2023)	

- Pt

Absorption edge : L-edge、 Net plane : Si(111)、 Si(311)

Sample name	Notation in the database
$\text{H}_2\text{Pt}(\text{OH})_6$	H2Pt(OH)6
Pt-foil	Pt-foil
PtBr_2	PtBr2
PtCl_2	PtCl2
$\text{PtCl}_4 \cdot 5\text{H}_2\text{O}$	PtCl4_5H2O
PtI_2	PtI2
PtO_2	PtO2
$\text{PtO}_2 \cdot x\text{H}_2\text{O}$	PtO2_xH2O
8 species (as of 12.1.2016)	

- Au

Absorption edge : L-edge, Net plane : Si(111), Si(311)

Sample name	Notation in the database
Au(OH) ₃	Au(OH)3
Au-foil	Au-foil
AuBr ₃	AuBr3
AuCl ₃	AuCl3
AuCl ₃ · xH ₂ O	AuCl3_xH2O
HAuBr ₄ · xH ₂ O	HAuBr4_xH2O
HAuCl ₄ · 4H ₂ O	HAuCl4_4H2O
KAuCl ₄	KAuCl4
8 species (as of 12.1.2016)	

- Pb

Absorption edge : L-edge, Net plane : Si(111), Si(311)

Sample name	Notation in the database
Pb(CH ₃ COO) ₂	Pb(CH3COO)2
Pb(CH ₃ COO) ₂ · 3H ₂ O	Pb(CH3COO)2_3H2O
Pb(NO ₃) ₂	Pb(NO3)2
Pb ₃ O ₄	Pb3O4
PbO ₂	PbO2
PbCl ₂	PbCl2
PbCO ₃	PbCO3
PbF ₂	PbF2
Pb-foil	Pb-foil
PbO	PbO
PbO ₂	PbO2
PbS	PbS
PbSO ₄	PbSO4
PbTe	PbTe
PbTiO ₃	PbTiO3
PbZrO ₃	PbZrO3
15 species (as of 3.10.2021)	

- Bi

Absorption edge : L-edge, Net plane : Si(111), Si(311)

Sample name	Notation in the database
$\text{Bi}(\text{NO}_3)_3 \cdot x\text{H}_2\text{O}$	Bi(NO3)3_xH2O
$\text{Bi}(\text{OH})_3$	Bi(OH)3
Bi-foil	Bi-foil
Bi_2MoO_6	Bi2MoO6
Bi_2O_3	Bi2O3
Bi_2S_3	Bi2S3
Bi_2Se_3	Bi2Se3
$\text{Bi}_2\text{Sn}_2\text{O}_7$	Bi2Sn2O7
Bi_2Te_3	Bi2Te3
Bi_2WO_6	Bi2WO6
$\text{Bi}_4\text{Ti}_3\text{O}_{12}$	Bi4Ti3O12
BiBr_3	BiBr3
BiCl_3	BiCl3
BiF_3	BiF3
BiI_3	BiI3
BiOCl	BiOCl
BiSb	BiSb
$\text{NaBiO}_3 \cdot x\text{H}_2\text{O}$	NaBiO3_xH2O
approx. $(\text{BiO})_2(\text{CO}_3)$	approx_(BiO)2(CO3)
19 species (as of 2.1.2022)	

- La

Absorption edge : K-edge、Net plane : Si(311)

Absorption edge : L-edge、Net plane : Si(111)

Sample name	Notation in the database
$\text{La}(\text{NO}_3)_3 \cdot 6\text{H}_2\text{O}$	La(NO3)3_6H2O
$\text{La}(\text{OH})_3$	La(OH)3
$\text{La}_2(\text{SO}_4)_3$	La2_SO4_3
$\text{La}_2(\text{SO}_4)_3 \cdot 9\text{H}_2\text{O}$	La2_SO4_3_9H2O
La_2O_3	La2O3
La_2S_3	La2S3
$\text{La}_2\text{Ti}_2\text{O}_7$	La2Ti2O7
LaB_6	LaB6
LaBr_3	LaBr3
LaCl_3	LaCl3
$\text{LaCl}_3 \cdot 7\text{H}_2\text{O}$	LaCl3_7H2O
LaF_3	LaF3
LaFeO_3	LaFeO3
LaH_x	LaHx
LaI_3	LaI3
LaN	LaN
LaNi_5	LaNi5
LaSi	LaSi
approx. $\text{La}_2(\text{CO}_3)_3$	approx_La2(CO3)3
20 species (as of 9.19.2018)	

- Ce

Absorption edge : K-edge、 Net plane : Si(311)

Absorption edge : L-edge、 Net plane : Si(111)

Sample name	Notation in the database
$\text{Ce}(\text{NH}_4)_2(\text{NO}_3)_6 \cdot x\text{H}_2\text{O}$	Ce(NH4)2(NO3)6_xH2O
$\text{Ce}(\text{NO}_3)_3 \cdot 6\text{H}_2\text{O}$	Ce(NO3)3_6H2O
$\text{Ce}(\text{OH})_4$	Ce(OH)4
$\text{Ce}_2(\text{C}_2\text{O}_4)_3 \cdot x\text{H}_2\text{O}$	Ce2(C2O4)3_xH2O
$\text{Ce}_2(\text{CO}_3)_3 \cdot x\text{H}_2\text{O}$	Ce2(CO3)3_xH2O
CeB_6	CeB6
CeBr_3	CeBr3
CeCl_3	CeCl3
$\text{CeCl}_3 \cdot x\text{H}_2\text{O}$	CeCl3_xH2O
CeF_3	CeF3
CeO_2	CeO2
CePO_4	CePO4
approx. Ce_2S_3	approx_Ce2S3
13 species (as of 3.26.2019)	

- Nd

Absorption edge : K-edge、 Net plane : Si(311)

Absorption edge : L-edge、 Net plane : Si(111)

Sample name	Notation in the database
$\text{Nd}(\text{NO}_3)_3 \cdot x\text{H}_2\text{O}$	Nd(NO3)3_xH2O
$\text{Nd}_2(\text{C}_2\text{O}_4)_3 \cdot 10\text{H}_2\text{O}$	Nd2(C2O4)3_10H2O
$\text{Nd}_2(\text{SO}_4)_3 \cdot 8\text{H}_2\text{O}$	Nd2(SO4)3_8H2O
Nd_2O_3	Nd2O3
NdBr_3	NdBr3
NdCl_3	NdCl3
NdF_3	NdF3
NdH_x	NdHx
approx. Nd_2S_3	approx_Nd2S3
9 species (as of 2.23.2018)	

- Eu

Absorption edge : K-edge、 Net plane : Si(311)

Absorption edge : L-edge、 Net plane : Si(111)

Sample name	Notation in the database
$\text{Ba}_{0.86}\text{Eu}_{0.14}\text{MgAl}_{10}\text{O}_{17}$	Ba0_86Eu0_14MgAl10O17
$\text{Eu}(\text{NO}_3)_3 \cdot x\text{H}_2\text{O}$	Eu(NO3)3_xH2O
$\text{Eu}_2(\text{SO}_4)_3 \cdot x\text{H}_2\text{O}$	Eu2(SO4)3_xH2O
Eu_2O_3	Eu2O3
EuCl_3	EuCl3
$\text{EuCl}_3 \cdot x\text{H}_2\text{O}$	EuCl3_xH2O
EuF_3	EuF3
EuH_x	EuHx
EuN	EuN
EuS	EuS
$\text{Y}_{1.92}\text{Eu}_{0.08}\text{O}_3$	Y1_92Eu0_08O3
11 species (as of 2.1.2022)	

- Tb

Absorption edge : K-edge、 Net plane : Si(311)

Absorption edge : L-edge、 Net plane : Si(111)

Sample name	Notation in the database
$\text{Tb}(\text{NO}_3)_3 \cdot x\text{H}_2\text{O}$	Tb(NO3)3_xH2O
$\text{Tb}_2(\text{SO}_4)_3 \cdot x\text{H}_2\text{O}$	Tb2(SO4)3_xH2O
Tb_2O_3	Tb2O3
Tb_2S_3	Tb2S3
Tb_4O_7	Tb4O7
TbCl_3	TbCl3
$\text{TbCl}_3 \cdot x\text{H}_2\text{O}$	TbCl3_xH2O
TbF_3	TbF3
8 species (as of 5.24.2019)	

- Er

Absorption edge : K-edge、Net plane : Si(311)

Absorption edge : L-edge、Net plane : Si(111)、Si(311)

Sample name	Notation in the database
$\text{Er}(\text{NO}_3)_3 \cdot 5\text{H}_2\text{O}$	Er(NO3)3_5H2O
$\text{Er}_2(\text{C}_2\text{O}_4)_3 \cdot 10\text{H}_2\text{O}$	Er2(C2O4)3_10H2O
Er_2O_3	Er2O3
$\text{ErCl}_3 \cdot 6\text{H}_2\text{O}$	ErCl3_6H2O
ErF_3	ErF3
ErH_2	ErH2
$\text{NaY}_{0.77}\text{Yb}_{0.20}\text{Er}_{0.03}\text{F}_4$	NaY0_77Yb0_20Er0_03F4
approx. Er_2S_3	approx_Er2S3
8 species (as of 9.20.2023)	

- Yb

Absorption edge : K-edge、Net plane : Si(311)

Absorption edge : L-edge、Net plane : Si(111)、Si(311)

Sample name	Notation in the database
$\text{NaY}_{0.77}\text{Yb}_{0.20}\text{Er}_{0.03}\text{F}_4$	NaY0_77Yb0_20Er0_03F4
$\text{Yb}(\text{NO}_3)_3 \cdot x\text{H}_2\text{O}$	Yb(NO3)3_xH2O
Yb_2O_3	Yb2O3
$\text{YbCl}_3 \cdot 6\text{H}_2\text{O}$	YbCl3_6H2O
YbF_3	YbF3
approx. YbBr_3	approx_YbBr3
6 species (as of 9.20.2023)	

Revision history

Revision date	Revised content
12.1.2016	XAFS Standard Sample Database release (Ti 13 species, Cr 16species, Mn 20species, Fe 30species, Co 20species, Ni 20species, Cu 24species, Zn 27species, Ru 12species, Rh 8species, Pd 11species, Pt 8species, Au 8species)
2.9.2017	Mo 22species, Ag 29species added
6.6.2017	Mo 1species, Nb 19species, Zr 24species added
6.24.2017	In 21species, Sn 20species added
8.1.2017	Mn 1species, Zn 1species, Sb 15species added
2.23.2018	V 11species, Nd 9species added
9.19.2018	Ti 1species, Fe 1species, Sb 1species, La 20species added
3.26.2019	Ce 13species, Eu 9species, Yb 5specie added
5.24.2019	Tb 8species added
7.29.2019	Mn 2species, Fe 4species, Co 1species, Er 7species added
12.19.2019	Ti 9species, V 4species, Cr 3species, Mn 5species, Fe 7species, Co 6species, Ni 5species, Cu 1species, Zn 1species, Cs 12species added
3.3.2020	Cr 11species, Mn 1species, Fe 16species, Co 2species, Ni 16species, Cu 4species, Zn 1species, Ba 30species added
4.7.2020	Cu 1species revised
6.8.2020	Fe 1species, Co 1speciesadded Co 1species revised
10.9.2020	Cr 1species, Mn 1species, Fe 2species, Co 1species, Ni 2species, Cu 1species, Zn 1species, Ta 11species, Ir 7species added
12.14.2020	Ni 2species, W 23species added
3.10.2021	Ti 1species, Sn 1species, Pb 15species added
2.1.2022	Ca 29species, Ti 1species, Mo 2species, Bi 19species, Eu 2species added
1.31.2023	Ti 1species, V 1species, Sr 26species, Nb 1species, Mo 1species, Ta 1 species, W 1 species added
2.22.2023	Ge 9species, Ir 1 species added
9.20.2023	Mn 1species, Fe 1species, Y 21species, Er 1species, Yb 1

	species added
2.1.2024	Zn 1 species, Ga 17 species, As 8 species added