230 The Space Group List Project

by Frank Hoffmann

*P*1 (#1) Gilmarite

P$\bar{1}$ (#2) Chalcanthite

*P*2 (#3) Thomasclarkite

*P*2$_1$ (#4) Alloclasite

*C*2 (#5) Dioxo-((*S*)-*N*-salicylidene-3-aminopyrrolidine)-vanadium(v)

Pm (#6) $BaBe_2Si_2O_7$

Pc (#7) Tashelgite

Cm (#8) Gerstleyite

Cc (#9) $FeMo_2S_4$

*P*2/*m* (#10) Muthmannite

*P*2$_1$/*m* (#11) $CaSb_2$

*C*2/*m* (#12) Augelite

*P*2/*c* (#13) Ferberite

*P*2$_1$/*c* (#14) B_8S_{16}

*C*2/*c* (#15) Jadeite

*P*222 (#16) Pottasium-L-alaninato-dichloridoplatinate

*P*222$_1$ (#17) $Cs_2O(B_2O_3)_9$

*P*2$_1$2$_1$2 (#18) La_3InS_6

*P*2$_1$2$_1$2$_1$ (#19) $NaAlCl_4$

*C*222$_1$ (#20) K_2AgS

*C*222 (#21) Godlevskite

*F*222 (#22) $NaAg(NO_2)_2$

*I*222 (#23) $NaFeS_2$

*I*2$_1$2$_1$2$_1$ (#24) (1*R*,2*R*)-1,2-Diaminocyclohexane (2*R*,3*R*)-2,3-butanediol

*Pmm*2 (#25) GaAs

*Pmc*2$_1$ (#26) Carbocernaite

*Pcc*2 (#27) 2,5-Bis(5-bromo-2-thienyl)-thiophene

*Pma*2 (#28) Krennerite

*Pca*2$_1$ (#29) Cobaltite

*Pnc*2 (#30) Terskite

*Pmn*2$_1$ (#31) Enargite

*Pba*2 (#32) Minyulite

*Pna*2$_1$ (#33) Wakabayashilite

*Pnn*2 (#34) Li_2TiTeO_6

*Cmm*2 (#35) $KNbW_2O_9$

*Cmc*2$_1$ (#36) Spertiniite

*Ccc*2 (#37) ZP-4

*Amm*2 (#38) $Ca_2Na_2(CO_3)_3$

*Abm*2 (#39) 2,5-bis(4-Bromobenzylidene)-cyclopentanone

*Ama*2 (#40) $LiBH_4$ (at 2.4 Gpa)

*Abc*2 (#41) Si_2CN_4

*Fmm*2 (#42) CH_2I_2

*Fdd*2 (#43) Edenharterite

*Imm*2 (#44) $AgNO_2$

*Iba*2 (#45) Banalsite

*Ima*2 (#46) Batisite

Pmmm (#47) Ta_4O

Pnnn (#48) (μ2-Oxo)-bis(Cl$_2$- bis(1-H$_3$C-imidazole)-oxo-rhenium(v)

Pccm (#49) $CsPr(MoO_4)_2$

Pban (#50) Retzian

Pmma (#51) $BaThBr_6$

Pnna (#52) $SnWO_4$

Pmna (#53) $FeNbTe_2$

Pcca (#54) $AgClO_2$

Pbam (#55) Reinerite

Pccn (#56) Valentinite

Pbcm (#57) $BaTiOF_4$

Pnnm (#58) $Cu(NH_3)_4(NO_3)_2$

Pmmn (#59) Pasavaite

Pbcn (#60) $CuNb_2O_6$

Pbca (#61) Hambergite

Pnma (#62) Avogadrite

Cmcm (#63) Ferruccite

Cmca (#64) Tuhualite

Cmmm (#65) $MgVO_3$

Cccm (#66) Cordierite

Cmma (#67) Johachidolite

Ccca (#68) Magnesiocarpholite

Fmmm (#69) $La_2NiO_{4.15}$

Fddd (#70) Thenardite

Immm (#71) VNi_2

Ibam (#72) Leningradite

Ibca (#73) Chesnokovite

Imma (#74) Weberite

*P*4 (#75) $Na_{0.1}WO_3$

*P*4$_1$ (#76) Percleveite

*P*4$_2$ (#77) Pinnoite

*P*4$_3$ (#78) $Sr_2As_2O_7$

*I*4 (#79) $WOBr_4$

*I*4$_1$ (#80) NbO_2

P$\bar{4}$ (#81) $Zr(P_2S_6)$

I$\bar{4}$ (#82) $In(PS_4)$

*P*4/*m* (#83) $BaLa4Cu_5O_{13}$

*P*4$_2$/*m* (#84) $Sr_2Fe_{0.97}Mo_{0.94}O_{5.81}$

*P*4/*n* (#85) PCl_4SbF_6

*P*4$_2$/*n* (#86) $NaSb(OH)_6$

*I*4/*m* (#87) $Sr_2Ni(WO_6)$

*I*4$_1$/*a* (#88) $Na(AlH_4)$

*P*422 (#89) $[Pt_4(\mu\text{-}OCOCH_3)_4\text{-}(\mu\text{-}OCOC_5H_4FeCp)_4]$

*P*42$_1$2 (#90) $Ba(VO)Cu_4(PO_4)_4$

*P*4$_1$22 (#91) $Mg_2(TiO_4)$

*P*4$_1$2$_1$2 (#92) Cristobalite

*P*4$_2$22 (#93) $[AsPh_4][Ce(S_2PMe_2)_4]$

*P*4$_2$2$_1$2 (#94) Zinc(II) 4,4′-Bipyridine-2,6,2′,6′-tetracarboxylate

*P*4$_3$22 (#95) Na_2S

*P*4$_3$2$_1$2 (#96) $Li(AlSi_2O_6)$

*I*422 (#97) Ekanite

*I*4$_1$22 (#98) CPF-1

*P*4*mm* (#99) $BaTiO_3$

*P*4*bm* (#100) $Na_{0.5}Bi_{0.5}TiO_3$

*P*4$_2$*cm* (#101) $[Me_4N][Cu_2(NCS)_3]$

*P*4$_2$*nm* (#102) S_4N_2

*P*4*cc* (#103) $VOSe_2O_5$

*P*4*nc* (#104) $HgTlBa_2CuO_x$

*P*4$_2$*mc* (#105)

*P*4$_2$*bc* (#106)

*I*4*mm* (#107)

*I*4*cm* (#108)

*I*4$_1$*md* (#109)

*I*4$_1$*cd* (#110)

P$\bar{4}$2*m* (#111)

P$\bar{4}$2*c* (#112)

P$\bar{4}$2$_1$*m* (#113)

P$\bar{4}$2$_1$*c* (#114)

P$\bar{4}$*m*2 (#115)

P$\bar{4}$*c*2 (#116)

P$\bar{4}$*b*2 (#117)

P$\bar{4}$*n*2 (#118)

I$\bar{4}$*m*2 (#119)

I$\bar{4}$*c*2 (#120)

$BaGe_2P_2$

$NaZn(OH)_3$

$Sm_2Cu_4Sn_5$

$Rb_5Nb_3OF_{18}$

NbP

$Be(BH_4)_2$

$Cu_2(WS_4)$

$CuFeSe_2$

$(NF_4)(BF_4)$

$Na_3(PS_4)$

Hf_2CuSb_3

$KNbF_6$

Pb_3O_4

$Fe(NH_3)_6AgSbS_4$

$KMnTe_2$

$Be(SO_4)(H_2O)_4$

I$\bar{4}$2*m* (#121) Jasmundite

I$\bar{4}$2*d* (#122) Ice XII

*P*4/*mmm* (#123) $PbTiO_3$ (550 °C)

*P*4/*mcc* (#124) $TaTe_4$

*P*4/*nbm* (#125) $CaNa_2As_4O_{12}$

*P*4/*nnc* (#126) $BaAl_2Se_4$

*P*4/*mbm* (#127) Phosgenite

*P*4/*mnc* (#128) Fluorapophyllite

*P*4/*nmm* (#129) PbO (red)

*P*4/*ncc* (#130) Bi_2CuO_4

*P*4$_2$/*mmc* (#131) $CaPt_2O_4$

*P*4$_2$/*mcm* (#132) $NiZn(CN)_4$

*P*4$_2$/*nbc* (#133) $Mn_2(Te_2O_5)_2$

*P*4$_2$/*nnm* (#134) $CuSn(OH)_6$

*P*4$_2$/*mbc* (#135) SeO_2

*P*4$_2$/*mnm* (#136) Rutile

*P*4$_2$/*nmc* (#137) HgI_2

*P*4$_2$/*ncm* (#138) AuI

*I*4/*mmm* (#139) Indium

*I*4/*mcm* (#140) Al_2Cu

*I*4$_1$/*amd* (#141) $CeSiO_4$

*I*4$_1$/*acd* (#142) $(Sr_{1.9}Ba_{0.1})IrO_4$

*P*3 (#143) Simpsonite

*P*3$_1$ (#144) Stillwellite-Ce

*P*3$_2$ (#145) Sheldrickite

*R*3 (#146) $Mg(SO_3)(H_2O)_6$

P$\bar{3}$ (#147) K_2TeO_3

R$\bar{3}$ (#148) Dolomite

*P*312 (#149) $RbGe(IO_6)$

*P*321 (#150) $Sr_3(TaGa_3Si_2O_{14})$

*P*3$_1$12 (#151) Muscovite 3T

*P*3$_1$21 (#152) Berlinite

*P*3$_2$12 (#153) $CrCl_3$

*P*3$_2$21 (#154) Quartz

*R*32 (#155) Tincalconite

*P*3*m*1 (#156) Fencooperite

*P*31*m* (#157) Galeite

*P*3*c*1 (#158) $RuCl_3$

*P*31*c* (#159) $LiNaSO_4$

*R*3*m* (#160) Tourmaline

*R*3*c* (#161) Proustite

P$\bar{3}$1*m* (#162) Li_2ZrF_6

P$\bar{3}$1*c* (#163) Coquimbite

P$\bar{3}$*m*1 (#164) Portlandite

P$\bar{3}$*c*1 (#165) Fluocerite-(La)

R$\bar{3}$*m* (#166) PCN-6

R$\bar{3}$*c* (#167) Calcite

*P*6 (#168) $K_2Ta_4F_4O_9$

*P*6$_1$ (#169) Al_2S_3

*P*6$_5$ (#170) $NaCoPO_4$

*P*6$_2$ (#171) $Sr(S_2O_6)(H_2O)_4$

*P*6$_4$ (#172) $Ca(S_2O_6)(H_2O)_4$

*P*6$_3$ (#173) Nepheline

P$\bar{6}$ (#174) $LiNaCO_3$

*P*6/*m* (#175) catena-[2,2'-(biphenyl-4,4'-diyldiimino)dibenzene-1,3,5-triol]

*P*6$_3$/*m* (#176) Fluorapatite

*P*622 (#177) tetracosakis(μ2-Methoxo)-dodecakis(μ2-proline)-dodeca-iron(iii) dodecaperchlorate

*P*6$_1$22 (#178) AgF_3

*P*6$_5$22 (#179) LaBTB

*P*6$_2$22 (#180) Rhabdophane-(Ce)

*P*6$_4$22 (#181) β-Eucryptite

*P*6$_3$22 (#182) $Ca(Ta,Nb)_4O_{11}$

*P*6*mm* (#183) AuCN

*P*6*cc* (#184) AlPO-5

*P*6$_3$*cm* (#185) $KNiCl_3$

*P*6$_3$*mc* (#186) AgI

P$\bar{6}$*m*2 (#187) $KCaF(CO_3)$

P$\bar{6}$*c*2 (#188) $BaTi(Si_3O_9)$

P$\bar{6}$2*m* (#189) Na_2O_2

P$\bar{6}$2*c* (#190) $SrBe_3O_4$

*P*6/*mmm* (#191) AlB_2

*P*6/*mcc* (#192) Beryl

*P*6$_3$/*mcm* (#193) ZrI_3

*P*6$_3$/*mmc* (#194) Graphite

*P*23 (#195) $Ba(AuF_6)_2$

*F*23 (#196) tetrakis((18-Crown-6)-thallium) $MnCl_4(TlCl_4)_2$

*I*23 (#197) Bi_2O_3

*P*2$_1$3 (#198) Langbeinite

*I*2$_1$3 (#199) $K_2Pb_2O_3$

Pm$\bar{3}$ (#200) Sr_3C_{60}

Pn$\bar{3}$ (#201) $MgSn(OH)_6$

Fm$\bar{3}$ (#202) $K_2Pb(Cu(NO_2)_6)$

Fd$\bar{3}$ (#203) Dodecasil

Im$\bar{3}$ (#204) $Na_{1-x}WO_3$

Pa$\bar{3}$ (#205) Pyrite

Ia$\bar{3}$ (#206) Yttria

*P*432 (#207) BIF-9-Cu

*P*4$_2$32 (#208) Be_3P_2

*F*432 (#209) PCN-20

*F*4$_1$32 (#210) $Te(OH)_6$

*I*432 (#211) $NiHg_4$

*P*4$_3$32 (#212) $LiFe_5O_8$

*P*4$_1$32 (#213) $C(NH_2)_3)_2(SO_4)$

*I*4$_1$32 (#214) Gd_3Cl_3C

P$\bar{4}$3*m* (#215) $Co_3L_2(tpt)_2$

F$\bar{4}$3*m* (#216) Fe_3O_4

I$\bar{4}$3*m* (#217) Zeolite Rho

P$\bar{4}$3*n* (#218) Sodalite

F$\bar{4}$3*c* (#219) $Mn_3B_7O_{13}I$

I$\bar{4}$3*d* (#220) Katoite hydrogarnet

Pm$\bar{3}$*m* (#221) ZIF-71-RHO

Pn$\bar{3}$*n* (#222) Co-Squarate

Pm$\bar{3}$*n* (#223) V_6SnSi

Pn$\bar{3}$*m* (#224) $(NH_4)[(Mo_{12}O_{36})(AsO_4)Mo(MoO)]$

Fm$\bar{3}$*m* (#225) NaCl

Fm$\bar{3}$*c* (#226) LTA

Fd$\bar{3}$*m* (#227) Spinel

Fd$\bar{3}$*c* (#228) $(Cr(NH_3)_6)(CuCl_5)$

Im$\bar{3}$*m* (#229) $BaCuO_2$

Ia$\bar{3}$*d* (#230) $Ba_3(Al(OH)_6)_2$

More information at

crystalsymmetry.wordpress.com

Crystal structures drawn with VESTA

K. Momma and F. Izumi, *J. Appl. Crystallogr.* **2011**, 44, 1272-1276