Table 1.6.4.8
Reflection conditions and possible space groups with Bravais lattice *oS* (*oC* setting) and Laue class *mmm*; Patterson symmetry *Cmmm*

Reflection conditions							Space group	No.	Space group	No.	Space group	No.
hkl	0*kl*	*h*0*l*	*hk*0	*h*00	0*k*0	00*l*						
$h+k$	k	h	$h+k$	h	k		**C222** *C*2*mm*	21 38	*Cmm*2 *Cmmm*	35 65	*Cm*2*m*	38
$h+k$	k	h	$h+k$	h	k	l	**C222$_1$**	20				
$h+k$	k	h	h, k	h	k		*Cm*2*e*	39	*C*2*me*	39	*Cme*	67
$h+k$	k	h, l	$h+k$	h	k	l	*Cmc*2$_1$	36	*C*2*cm*	40	*Cmcm*	63
$h+k$	k	h, l	h, k	h	k	l	*C*2*ce*	41	*Cmce*	64		
$h+k$	k, l	h	$h+k$	h	k	l	*Ccm*2$_1$	36	*Cc*2*m*	40	*Ccmm*	63
$h+k$	k, l	h	h, k	h	k	l	*Cc*2*e*	41	*Ccme*	64		
$h+k$	k, l	h, l	$h+k$	h	k	l	*Ccc*2	37	*Cccm*	66		
$h+k$	k, l	h, l	h, k	h	k	l	*Ccce*	68				

Table 1.6.4.9
Reflection conditions and possible space groups with Bravais lattice *oS* (*oB* setting) and Laue class *mmm*; Patterson symmetry *Bmmm*

Reflection conditions							Space group	No.	Space group	No.	Space group	No.
hkl	0*kl*	*h*0*l*	*hk*0	*h*00	0*k*0	00*l*						
$h+l$	l	$h+l$	h	h		l	**B222** *B*2*mm*	21 38	*Bm*2*m* *Bmmm*	35 65	*Bmm*2	38
$h+l$	l	$h+l$	h	h	k	l	**B22$_1$2**	20				
$h+l$	l	$h+l$	h, k	h	k	l	*Bm*2$_1$*b*	36	*B*2*mb*	40	*Bmmb*	63
$h+l$	l	h, l	h	h		l	*Bme*2	39	*B*2*em*	39	*Bmem*	67
$h+l$	l	h, l	h, k	h	k	l	*B*2*eb*	41	*Bmeb*	64		
$h+l$	k, l	$h+l$	h	h	k	l	*Bb*2$_1$*m*	36	*Bbm*2	40	*Bbmm*	63
$h+l$	k, l	$h+l$	h, k	h	k	l	*Bb*2*b*	37	*Bbmb*	66		
$h+l$	k, l	h, l	h	h	k	l	*Bbe*2	41	*Bbem*	64		
$h+l$	k, l	h, l	h, k	h	k	l	*Bbeb*	68				

Table 1.6.4.10
Reflection conditions and possible space groups with Bravais lattice *oS* (*oA* setting) and Laue class *mmm*; Patterson symmetry *Ammm*

Reflection conditions							Space group	No.	Space group	No.	Space group	No.
hkl	0*kl*	*h*0*l*	*hk*0	*h*00	0*k*0	00*l*						
$k+l$	$k+l$	l	k		k	l	**A222** *Amm*2	21 38	*A*2*mm* *Ammm*	35 65	*Am*2*m*	38
$k+l$	$k+l$	l	k	h	k	l	**A2$_1$22**	20				
$k+l$	$k+l$	l	h, k	h	k	l	*A*2$_1$*ma*	36	*Am*2*a*	40	*Amma*	63
$k+l$	$k+l$	h, l	k	h	k	l	*A*2$_1$*am*	36	*Ama*2	40	*Amam*	63
$k+l$	$k+l$	h, l	h, k	h	k	l	*A*2*aa*	37	*Amaa*	66		
$k+l$	k, l	l	k		k	l	*Aem*2	39	*Ae*2*m*	39	*Aemm*	67
$k+l$	k, l	l	h, k	h	k	l	*Ae*2*a*	41	*Aema*	64		
$k+l$	k, l	h, l	k	h	k	l	*Aea*2	41	*Aeam*	64		
$k+l$	k, l	h, l	h, k	h	k	l	*Aeaa*	68				