$Ba_3Ag_{12}(Ag_{0.4}Al_{0.6})_6Al_3$	*hP*24	(189) *P*-62*m* – ji^{2}gda

$Ba_3Ag_{14.6}Al_{6.4}$ [1]
Structural features: Puckered hexagon-mesh Ag_6 layers alternate with $Ba((Al,Ag)_3)_2$ and $Ba_2(Al_3)$ layers (the Ba atoms and the centers of the $(Al,Ag)_3$ or Al_3 triangles form a triangle mesh) alternate along [001].

Cordier G., Röhr C. (1991) [1]
$Ag_{14.63}Al_{6.37}Ba_3$
a = 0.8913, c = 0.7278 nm, c/a = 0.817, V = 0.5007 nm^3, Z = 1

site	Wyck.	sym.	x	y	z	occ.	atomic environment
M1	6*j*	*m*..	0.3163	0.4896	0		9-vertex polyhedron Al_3Ag_6
Ag2	6*i*	..*m*	0.3642	0	0.2047		icosahedron $Al_5Ag_4Ba_3$
Ag3	6*i*	..*m*	0.7081	0	0.2995		pseudo Frank-Kasper $Al_4Ag_4Ba_3$
Al4	3*g*	*m*2*m*	0.1837	0	$^1/_2$		8-vertex polyhedron Ag_6Al_2
Ba5	2*d*	-6..	$^1/_3$	$^2/_3$	$^1/_2$		21-vertex polyhedron $Ag_{12}Al_9$
Ba6	1*a*	-62*m*	0	0	0		pseudo Frank-Kasper $Ag_{12}Al_{12}$

M1 = 0.562Al + 0.438Ag
Experimental: single crystal, diffractometer, X-rays, R = 0.027

References: [1] Cordier G., Röhr C. (1991), J. Less-Common Met. 170, 333-357.