$Be_{15.34}Rh_{2.36}$	*hP*19	(187) *P*-6*m*2 – nki^{2}hgca

$RhBe_{6.6}$ [1]
Structural features: Ignoring vacancies, Kagomé-mesh Be_3 layers alternate with puckered $RhBe_2$ and $(Be_2)RhBe$ layers (a RhBe hexagon mesh, the hexagons of which are centered by a Be_2 dumbbell perpendicular to the layer) along [001] (ratio 2:1 for the latter).

Johnson Q. et al. (1970) [1]
$Be_{15.34}Rh_{2.36}$
$a = 0.4191$, $c = 1.0886$ nm, $c/a = 2.597$, $V = 0.1656$ nm^3, $Z = 1$

site	Wyck.	sym.	*x*	*y*	*z*	occ.	atomic environment
Be1	6*n*	.*m*.	0.1665	0.8335	0.1830		icosahedron Be_9Rh_3
Be2	3*k*	*mm*2	0.5045	0.4955	$^1/_2$		icosahedron $Be_{10}Rh_2$
Be3	2*i*	3*m*.	$^2/_3$	$^1/_3$	0.0982		14-vertex Frank-Kasper $Be_{10}Rh_4$
Rh4	2*i*	3*m*.	$^2/_3$	$^1/_3$	0.3069		16-vertex Frank-Kasper Be_{16}
Be5	2*h*	3*m*.	$^1/_3$	$^2/_3$	0.3408		icosahedron Be_9Rh_3
Be6	2*g*	3*m*.	0	0	0.3767		16-vertex Frank-Kasper $Be_{13}Rh_3$
Be7	1*c*	-6*m*2	$^1/_3$	$^2/_3$	0	0.34	15-vertex Frank-Kasper $Be_{12}Rh_3$
Rh8	1*a*	-6*m*2	0	0	0	0.36	15-vertex Frank-Kasper Be_{15}

Transformation from published data: origin shift $^1/_3$ $^2/_3$ $^1/_2$
Experimental: single crystal, diffractometer, X-rays, R = 0.053

Remarks: Occupation of site Be7 could not be stated with certainty. When relevant, we changed the last digit of the atom coordinates to respect the symmetry conditions for special positions.

References: [1] Johnson Q., Smith G.S., Krikorian O.H., Sands D.E. (1970), Acta Crystallogr. B 26, 109-113.