ZrRhGa	*hP*10	(189) *P*-62*m* – gfed

ZrRhGa [1]
Structural features: Infinite columns of base-linked $RhZr_6$ trigonal prisms share edges to form a 3D-framework; single columns of base-linked $RhGa_6$ trigonal prisms in channels parallel to [001] (split Rh site). Variant of ZrNiAl.

Zumdick M.F. et al. (2002) [1]
GaRhZr
$a = 0.7214$, $c = 0.3367$ nm, $c/a = 0.467$, $V = 0.1517$ nm^3, $Z = 3$

site	Wyck.	sym.	*x*	*y*	*z*	occ.	atomic environment
Ga1	3*g*	*m*2*m*	0.2704	0	$^1/_2$		
Zr2	3*f*	*m*2*m*	0.6048	0	0		
Rh3	2*e*	3.*m*	0	0	0.0573	0.5	
Rh4	2*d*	-6..	$^1/_3$	$^2/_3$	$^1/_2$		tricapped trigonal prism Ga_3Zr_6

Transformation from published data: *-x,-y,-z*
Experimental: single crystal, diffractometer, X-rays, R = 0.020

Remarks: Short interatomic distances for partly occupied site(s).

References: [1] Zumdick M.F., Pöttgen R., Zaremba V.I., Hoffmann R.D. (2002), J. Solid State Chem. 166, 305-310.