$Cu_{25.47}Ce_7$	*hP*78	(175) $P6/m - l^3k^2j^4he$

$CeCu_{3.6}$ [1]
Structural features: Variant of $GdAg_{3.6}$ with disordered atom arrangement at z = 0.

Allibert C. et al. (1984) [1]
$Ce_7Cu_{25.47}$
a = 1.1858, c = 0.9107 nm, c/a = 0.768, V = 1.1090 nm^3, Z = 2

site	Wyck.	sym.	x	y	z	occ.	atomic environment
Cu1	12*l*	1	0.1079	0.4285	0.3064		
Cu2	12*l*	1	0.2693	0.0734	0.2509		
Cu3	12*l*	1	0.4939	0.1117	0.1693		
Cu4	6*k*	*m*..	0.0593	0.2376	$^1/_2$		icosahedron Cu_8Ce_4
Ce5	6*k*	*m*..	0.4712	0.1412	$^1/_2$		14-vertex polyhedron Cu_{14}
Cu6	6*j*	*m*..	0.0378	0.1405	0	0.49	
Ce7	6*j*	*m*..	0.1056	0.3585	0	0.5	
Ce8	6*j*	*m*..	0.1309	0.4193	0	0.5	
Cu9	6*j*	*m*..	0.3000	0.6202	0	0.333	
Cu10	4*h*	3..	$^1/_3$	$^2/_3$	0.2618		
Ce11	2*e*	6..	0	0	0.2974		

Experimental: single crystal, diffractometer, X-rays, R = 0.074, T = 298 K

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

References: [1] Allibert C., Wong Ng W., Nyburg S.C. (1984), Acta Crystallogr. C 40, 211-214.