

**Owensite****(Ba, Pb)<sub>6</sub>(Cu, Fe, Ni)<sub>25</sub>S<sub>27</sub>**

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**Crystal Data:** n.d. *Point Group:* n.d. *Twinning:***Physical Properties:** *Cleavage:* *Fracture:* *Tenacity:* Hardness = n.d.  
VHN = D(meas.) = n.d. D(calc.) = n.d.**Optical Properties:** n.d. *Color:* *Streak:* *Luster:**Optical Class:* *Pleochroism:* *Orientation:* *Dispersion:* *Absorption:* $n = \omega = \epsilon = \alpha = \beta = \gamma = 2V(\text{meas.}) = \text{n.d.}$   $2V(\text{calc.}) =$  *Anisotropism:* *Bireflectance:*

R:

R<sub>1</sub>-R<sub>2</sub>:**Cell Data:** *Space Group:* n.d.  $a = b = c = \alpha = \beta = \gamma = Z = \text{n.d.}$ **X-ray Powder Pattern:** n.d.**Chemistry:**

	(1)	(2)	(3)
Na			
K			
Os			
Ir			
Ru			
Pt			
Rh			
Pd			
Hg			
Ag			
Au			
Pb			
Cu			
Zn			
Fe			
Te			
Se			
As			
Sb			
Bi			
S			
F			
Cl			
Br			
I			
LOI			
rem.			
insol.			
<hr/>			
Total			

(1)

**Polymorphism & Series:****Mineral Group:****Occurrence:**

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**Association:** n.d.

**Distribution:**

**Name:**

**Type Material:** n.d.

**References:** (1)