titanium, Ti
I 4300
44 - 030

Na8TiAs4, a New Zintl-Compound with Ideal Isolated TiAs4-Tetrahedra. — The novel title compound, obtained directly from stoichiometric mixtures of the elements (1. 850 °C, 0.5 h 2. 600 °C, 15 h) crystallizes in the cubic system (Fd3m, Z = 8) being isotypic to Na8SnSb4. In the structure, isolated TiAs4 units with perfect tetrahedral symmetry are building elements of the anionic partial structure. — (STUHRMANN, J.; ADAM, A.; SCHUSTER, H.-U.; Z. Naturforsch., B: Chem. Sci. 48 (1993) 7, 898-900; Inst. Anorg. Chem., Univ. Koeln, D-50939 Koeln, Germany; DE)