

Crystal Data: Cubic. *Point Group:* $4/m\bar{3}2/m$. As dodecahedral crystals commonly modified by the cube, octahedron, and trapezohedron, to 1 cm; also massive, granular.

Physical Properties: *Cleavage:* {011} and {001}, distinct. *Fracture:* Conchoidal. *Tenacity:* Brittle. Hardness = 3.5 VHN = 147–159, 153 average (100 g load). D(meas.) = 13.48 D(calc.) = 13.5

Optical Properties: Opaque. *Color:* Silver-white. *Luster:* Bright metallic.

R: (400) 73.5, (420) 74.6, (440) 75.7, (460) 76.9, (480) 78.2, (500) 79.5, (520) 80.7, (540) 81.7, (560) 82.6, (580) 83.3, (600) 83.7, (620) 84.0, (640) 84.2, (660) 84.4, (680) 84.5, (700) 84.7

Cell Data: *Space Group:* $Im\bar{3}m$. $a = 10.04$ $Z = 10$

X-ray Powder Pattern: Landsberg, Germany.

2.36 (100), 1.365 (70), 1.236 (60), 1.275 (50), 0.941 (50), 0.799 (50), 2.67 (40)

Chemistry:

	(1)	(2)	(3)
Ag	27.04	26.48	26.39
Hg	72.94	73.44	73.61
Total	99.98	99.92	100.00

(1) Landsberg, Germany. (2) Sala, Sweden. (3) Ag₂Hg₃.

Occurrence: Probably of low-temperature hydrothermal origin.

Association: Metacinnabar, cinnabar, mercurian silver, tetrahedrite–tennantite, pyrite, sphalerite, chalcopyrite.

Distribution: From Landsberg, near Obermoschel, Rhineland-Palatinate, Germany [TL]. At Sala, Västmanland, Sweden. In the Chalanches mine, near Allemont, Isère, France. From the Gould-Curry mine, Comstock Lode, Virginia City, Storey Co., Nevada, USA.

Name: For the locality at Landsberg, near Obermoschel, Germany.

Type Material: n.d.

References: (1) Palache, C., H. Berman, and C. Frondel (1944) Dana's system of mineralogy, (7th edition), v. I, 103–104. (2) Fairhurst, C.W. and J.B. Cohen (1972) The crystal structure of two compounds found in dental amalgam: Ag₂Hg₃ and Ag₃Sn. *Acta Cryst.*, 28, 371–378. (3) Cipriani, C., G.P. Bernardini, M. Corazza, G. Mazzetti, and V. Moggi (1993) Reinvestigation of natural and synthetic silver amalgams. *Eur. J. Mineral.*, 5, 903–914. (4) Berry, L.G. and R.M. Thompson (1962) X-ray powder data for the ore minerals. *Geol. Soc. Amer. Mem.* 85, 16–17. (5) Criddle, A.J. and C.J. Stanley, Eds. (1993) Quantitative data file for ore minerals, 3rd ed. Chapman & Hall, London, 385.