

Strem Chemicals, Inc.

www.strem.com

Catalog # 79-0160

Gold 1% on aluminum oxide extrudates (AUROlite™ Au/Al₂O₃)

Note : Sold in collaboration with Project AuTEK for research purposes. Reverse engineering and product modification prohibited. Only open before use, store cold in dark. See web for more details.

Analysis: Au 1 wt% ± 0.1%
Al₂O₃ 98 wt%
Na⁺, Cl⁻ <1500ppm

Bulk density: 0.6–0.8 g/ml

Technical Note:

1. Useful product for the catalytic oxidation of a variety of substrates including carbon monoxide, aldehydes, alkenes, methane and ethanol. Average gold crystallite size is ~2-3nm.

References:

1. *J. Catal.*, **2007**, 252, 119.
2. *J. Catal.*, **2008**, 260, 86.
3. *Green Chem.*, **2008**, 10, 168.
4. *Gold Bulletin*, **2008**, 41, 296.
5. *Appl. Catal. B.*, **2013**, 132, 195.
6. *Chem. Rev.*, **2012**, 112, 4469.