

Strem Chemicals, Inc.

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Catalog # 79-0170

Gold 1% on zinc oxide granulate (AUROlite™ Au/ZnO)

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. PCT WO2005115612.

Analysis: Au 1 wt% \pm 0.1%
ZnO 88 wt% (contains Al₂O₃)
Na⁺, Cl⁻ <1500ppm

Bulk density: 1-1.2 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.