

Strem Chemicals, Inc.

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Catalog # 79-0165 Gold 1% on titanium dioxide extrudates (AUROlite™ Au/TiO₂)

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%

TiO₂ 98 wt%

Na⁺, Cl⁻ <1500ppm

Bulk density: 0.85–0.95 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.