



# CERTIFICATE OF ANALYSIS

*The Power to Question*

Catalog Number: sc-250641  
Lot Number: SAMPLE  
Product Name: Palladium black  
CAS Number: 7440-05-3  
Molecular Formula: Pd  
Molecular Weight: 106.42

Test	Specification	Result
Appearance	Black powder	Complies
Surface area	40 - 60 (m <sup>2</sup> /g)	40 (m <sup>2</sup> /g)
Identification (ICP)	Consistent with Palladium Component	Complies
Bulk Density	0.50 - 1.00 g/ml	0.54 g/ml
Trace metal analysis	≤ 600.0 ppm	< 600.0 ppm
Loss on Drying	≤ 2.0% at 150 °C	0.7%
Aluminum		3.0 ppm
Bismuth		4.0 ppm
Boron		4.0 ppm
Calcium		14.0 ppm
Chloride		53 ppm
Chromium		1.0 ppm
Copper		2.0 ppm
Gold		3.0 ppm
Iron		49.0 ppm
Magnesium		3.0 ppm
Manganese		2.0 ppm
Molybdenum		1.0 ppm
Nickel		3.0 ppm

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

Santa Cruz Biotechnology, Inc. 800.457.3801 831.457.3800 fax 831.457.3801 Europe +00800 4573 8000 49 62221 4503 0 [www.scbt.com](http://www.scbt.com)

Palladium	96.10%
Platinum	66.0 ppm
Silicon	22.0 ppm
Silver	2.0 ppm
Sulfur	9 ppm
Zinc	3.0 ppm

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