



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-255664
Lot Number: SAMPLE
Product Name: Titanium(IV) oxide
CAS Number: 13463-67-7
Molecular Formula: TiO_2
Molecular Weight: 79.87

Test	Specification	Result
Assay (Dried Basis)	99.0 - 100.5%	99.1%
Purity	98.0 - 100.5%	98.9%
Residual Solvents		Complies
Solution		Complies
Water Soluble Matter	$\leq 0.25\%$ $\leq 0.5\%$ (hot)	$< 0.25\%$ $< 0.5\%$ (hot)
Acidity or Alkalinity		Complies
Heavy Metals (Pb)	≤ 20 ppm	< 20 ppm
Loss on Drying	$\leq 0.5\%$ (105 °C, 3h)	0.10%
Loss on Ignition	$\leq 0.5\%$ (800 °C)	0.14%
Soluble Matter	$\leq 0.5\%$	$< 0.5\%$
Antimony	≤ 50 ppm	< 50 ppm
Arsenic	≤ 1 ppm	< 1 ppm
Barium		Complies
Iron	≤ 50 ppm	< 50 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