

# Certificate of Analysis

Barium titanate, 400 nm, 99.9% (metal basis)  
Stock #: 1146DY

<b>Components</b>	<b>Mol. ratio</b>
BaO/TiO <sub>2</sub> (mol.)	0.999-1.001
<b>Components</b>	<b>Wt (%)</b>
Ca	0.001
Fe	0.001
K	0.001
Mg	0.001
Na	0.001
Sr	0.020
<b>Moisture</b> (105 °C, 2 h)	0.09
<b>Loss on ignition</b> (1100 °C, 1 h)	0.20

**Analytical techniques:**

BaSO<sub>4</sub> weight method

X-ray fluorescence

Atomic absorption spectroscopy

Moisture analyzer

Thermal gravimetric analysis

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