



## Product Specification

**Chemical Name:** Osmium(VIII) oxide ["Osmium tetroxide"]  
**CMI Product Code:** 4008  
**CAS Number:** 20816-12-0  
**Formula:** OsO<sub>4</sub>  
**Formula Weight:** 254.196 g/mol  
**Theoretical Os%:** 74.9%

<b>PARAMETER</b>	<b>SPECIFICATION</b>
<b>Os Assay</b>	74.9%
<b>Purity</b>	99.95% minimum
<b>Melting Point</b>	41.0 - 41.5 °C
<b>USPS Tests</b>	Solubility – Passes Tests Non-Volatile Matter – Passes Tests (<0.2%) Heavy Metals – Passes Tests (<0.005%)
<b>Appearance</b>	Pale yellow crystalline
<b>Storage</b>	Store in sealed glass ampoules in a cool, dry place

**Reviewing Chemist:** Tyler Bazzoli, Lead Chemist(s): TB

**Specification Approval:** Dr. Ernest Addo, Ph.D., Director of Quality & Analytical Testing: EA

**Specification Revision Date:** March 20<sup>th</sup>, 2016

**Revision Level:** 0

Colonial Metals warrants, that at the time of product release this product conformed to the information contained on this specification sheet. Purchaser must determine the suitability of the product for its particular use.