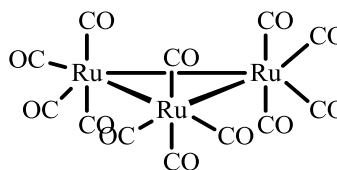




**Product Specifications: Triruthenium(0) dodecacarbonyl #8047**

Chemical Name:  
Triruthenium(0) dodecacarbonyl

CMI Product Code: 8047  
 CAS Number: 15243-33-1  
 Formula:  $\text{Ru}_3(\text{CO})_{12}$   
 Formula Weight: 639.33 g/mol  
 Theoretical % Ru: 47.4



<b>PARAMETER</b>	<b>SPECIFICATION</b>
Chemical Purity	> 99% (> 99.9% Ru)
Appearance	orange crystalline solid
Ru assay	47.4 ± 0.6%
Microanalysis	22.49 ± 0.6% C
Trace metal impurities	< 1000 ppm all metal impurities
Infrared Spectrum	conforms to structure
Storage:	Store in a tightly closed container in a cool dry place.

Reviewing Chemist: Peter B. Kettler, Ph.D. Technical Director  
 Specification Date: 28 January 2013

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.