



**Product Specifications: Platinum(IV) oxide hydrate #6007**

Chemical Name:  
Platinum(IV) oxide  
Adams Catalyst

CMI Product Code: 6007  
CAS Number: 52785-06-5  
Formula:  $PtO_2 \cdot xH_2O$   
Formula Weight: 227.09 g/mol (anhydrous)  
Theoretical % Pt: 79.0 – 83.0

| PARAMETER               | SPECIFICATION  |
|-------------------------|--|
| Pt assay                | 79.0 – 83.0% (>99.95% Pt)                                |
| Appearance              | brown powder   |
| Trace Metals Impurities | < 500 ppm all metals                                     |
| Surface Area            | $\geq 85.0 \text{ m}^2/\text{g}$                         |
| Storage:                | Store in a tightly closed container in a cool dry place. |

Reviewing Chemist: Peter B. Kettler, Ph.D. Technical Director  
Specification Date: 20 June 2012

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.