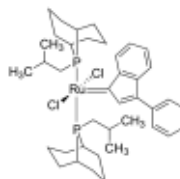


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## Product Specification

Product Name:  
Grubbs Catalyst<sup>®</sup> M110 - UmicoreProduct Number: **774928**  
CAS Number: 894423-99-5Formula: C<sub>39</sub>H<sub>56</sub>Cl<sub>2</sub>P<sub>2</sub>Ru  
Formula Weight: 758.79 g/mol  
Storage Temperature: 2 - 8 °C

### TEST

### Specification

Appearance (Color)	Red to Very Dark Red
Appearance (Form)	Powder
Infrared spectrum	Conforms to Structure
Carbon	58.0 - 65.4 %
ICP Major Analysis	Confirmed
Confirms Phosphorus and Ruthenium Components	

Specification: PRD.1.ZQ5.10000034457

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.