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## Certificate of Analysis

Product Name:  
POTASSIUM PERMANGANATE, POWDER, -325 ME&

**Product Number:** 238511  
**Lot Number:** MKBF7525V  
Brand: SIAL  
CAS Number: 7722-64-7  
MDL Number: MFCD00011364  
Formula:  $\text{KMnO}_4$   
Formula Weight: 158.03 g/mol

| Test  | Specification            | Result       |
|---|--------------------------|--------------|
| Appearance (Color)<br>Dark Purple to Black                                | Conforms to Requirements | Black        |
| Appearance (Form)<br>Powder, Crystals or Crystalline Powder and/or Chunks | Conforms to Requirements | Powder       |
| X-Ray Diffraction   | Conforms to Structure    | Conforms     |
| Titration by $\text{KMNO}_4$<br>% Mn                                      | 33.5 - 36.0 %            | 33.8 %       |
| Particle Size   | $\leq$ 45.00 micron      | 19.80 micron |



Jamie Gleason, Manager  
Quality Control  
Milwaukee, Wisconsin US

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.