Product Specification

Yttrium oxide, europium doped – 99% trace metals basis

Product Number: 756490
CAS Number: 68585-82-0
Formula: Y1.92Eu0.08O3
Formula Weight: 230.85 g/mol

TEST

Appearance (Color) White
Appearance (Form) Powder
X-Ray Diffraction Conforms to Structure
Size 4 - 10 micron
Color Coordinate (x) 0.630 - 0.660
Color Coordinate (y) 0.330 - 0.360
Color Temperature Specification: Report Result
Emission Peak 609 - 613 nm
ICP Major Analysis Confirms Yttrium & Europium ComponentS
Purity Meets Requirements
99% Based On Rare Earth Analysis
Trace Rare Earth Analysis < 15000.0 ppm

Specification: PRD.1.ZQ5.10000054606

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. 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.