

氧化鈮鎔 (螢光級) YTTRIUM EUROPIUM OXIDE PHOSPHOR GRADE

分子式/Formula: (Y、Eu)₂O₃

外觀/Appearance: 略帶紅色白色粉末/White powder with light red shade

用途/Use: 用于制作燈用稀土螢光粉、彩色電視螢光粉、計算機顯示器螢光粉。/Phosphor grade yttrium europium oxide is used as the material for the production of three band RE fluorescent phosphors, CTV phosphors, computer display phosphors.

項目 Items	規格 Specifications	典型數據 Typical analyses	分析儀器 Analytical instruments
牌號 Code	(Y、Eu) ₂ O ₃ -04P		
REO %	≥ 99		
(Y ₂ O ₃ +Eu ₂ O ₃) / REO %	≥ 99.99		
Eu ₂ O ₃ / REO %	用戶要求 upon the customer's requirement		①
Tb ₄ O ₇ / REO %	用戶要求 upon the customer's requirement		①
La ₂ O ₃ / REO %	≤ 0.0002	< 0.0001	①
CeO ₂ / REO %	≤ 0.0001	< 0.0003	①
Pr ₆ O ₁₁ / REO %	≤ 0.0005		①
Nd ₂ O ₃ / REO %	≤ 0.0003	< 0.0002	①
Sm ₂ O ₃ / REO %	≤ 0.0003	< 0.0003	①
Gd ₂ O ₃ / REO %	≤ 0.0003	< 0.0002	①
Dy ₂ O ₃ / REO %	≤ 0.0003	< 0.0002	①
Ho ₂ O ₃ / REO %	≤ 0.0001	< 0.0001	①
Er ₂ O ₃ / REO %	≤ 0.0001	< 0.0001	①
Tm ₂ O ₃ / REO %	≤ 0.0001	< 0.0001	①
Yb ₂ O ₃ / REO %	≤ 0.0001	< 0.00005	①
Lu ₂ O ₃ / REO %	≤ 0.0001	< 0.00005	①
非稀土雜質 Non- RE impurities			
Fe ₂ O ₃ %	≤ 0.0003		
SiO ₂ %	≤ 0.002		
CaO %	≤ 0.0007		②
CuO %	≤ 0.0005		②
NiO %	≤ 0.0005		②
PbO %	≤ 0.0005		②
Cl %	< 0.005		
灼減 Loss on ignition (1000°C, 1hour) %	≤ 0.8	≤ 0.5	
中心粒徑 d ₅₀ Medium diameter (粉末質量累積) (powder mass accumulating) μm	2.5~6		③

注 Notes:

- ① ICP-AES 電感耦合等離子體原子發射光譜儀/Induction coupler plasma atomic emission spectrograph
- ② PE-3100 原子吸收分光光度計/Atomic absorption spectrophotometer
- ③ CILAS 1064 激光粒度儀/ CLAS 1064 Particle size analyzer