

氧化鉕 ERBIUM OXIDE

分子式/Formula: Er_2O_3

外觀/Appearance: 淡紅色粉末/Light pink powder

用途/Use: 用于磁性材料、玻璃和電子材料中。/Erbium oxide is used in making of magnetic, glass and electric materials.

項目 Items	規格 Specifications				典型數據 Typical analyses	分析儀器 Analytical instruments
牌號 Code	Er_2O_3 -04	Er_2O_3 -035	Er_2O_3 -03	Er_2O_3 -025		
REO %	≥ 99	≥ 99	≥ 99	≥ 99		
純度與相關稀土雜質 purity and relative RE impurities						
Er_2O_3 / REO %	≥ 99.99	≥ 99.95	≥ 99.9	≥ 99.5		
Tb_4O_7 / REO %	≤ 0.0005	≤ 0.05	≤ 0.1	≤ 0.5		①
Dy_2O_3 / REO %	≤ 0.001					①
Ho_2O_3 / REO %	≤ 0.002					①
Tm_2O_3 / REO %	≤ 0.002					①
Yb_2O_3 / REO %	≤ 0.001					①
Y_2O_3 / REO %	≤ 0.001					①
非稀土雜質 Non-RE impurities						
Fe_2O_3 %	≤ 0.001	≤ 0.001	≤ 0.001	≤ 0.005		②
SiO_2 %	≤ 0.003	≤ 0.005	≤ 0.005	≤ 0.01		
CaO %	≤ 0.001	≤ 0.01	≤ 0.02	≤ 0.05		②
CuO %	≤ 0.001	≤ 0.002	≤ 0.01	≤ 0.01		②
灼減 Loss on ignition (1000°C, 1hour) %	≤ 1	≤ 1	≤ 1	≤ 1		

注 Notes:

- ① JY Ultima C 智能同時/順序型 ICP 光譜儀/JY Ultima Intelligent ICP Sequential/Simultaneous Spectroanalyzer
- ② PE-3100 原子吸收分光光度計/Atomic absorption spectrophotometer