

氧化鈦 HOLMIUM OXIDE

分子式/Formula: Ho_2O_3

外觀/Appearance: 淡黃色粉末/Pale yellow powder

用途/Use: 用作控制熱核反應的鈮鐵或鈮鋁石榴石的添加劑。也用作制造金屬鹵素燈的添加劑。

/Used as an additive in YIG and YAG, which are used to control thermonuclear reaction. Also used as additive for the making of metallic halogen lamps.

項目 Items	規格 Specifications			分析儀器 Analytical instruments
牌號 Code	Ho ₂ O ₃ -020	Ho ₂ O ₃ -030	Ho ₂ O ₃ -040	
REO %	≥ 99	≥ 99	≥ 99	
純度與相關稀土雜質 purity and relative RE impurities				
Ho ₂ O ₃ / REO %	≥ 99	≥ 99.9	≥ 99.99	
Gd ₂ O ₃ / REO %	≤ 1	≤ 0.1	≤ 0.01	①
Tb ₄ O ₇ / REO %				①
Dy ₂ O ₃ / REO %				①
Er ₂ O ₃ / REO %				①
Y ₂ O ₃ / REO %				①
Yb ₂ O ₃ / REO %				①
非稀土雜質 Non-RE impurities				
Fe ₂ O ₃ %	≤ 0.02	≤ 0.001	≤ 0.0005	
SiO ₂ %	≤ 0.01	≤ 0.005	≤ 0.005	②
CaO %	≤ 0.05	≤ 0.002	≤ 0.001	②
CuO %	≤ 0.001	≤ 0.001	≤ 0.0005	②
NiO %	≤ 0.001	≤ 0.001	≤ 0.0005	②
PbO %	≤ 0.001	≤ 0.001	≤ 0.0005	
灼減 Loss on ignition (1000℃, 1hour) %	≤ 1	≤ 1	≤ 1	

注 Notes:

①① 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