



Chem-Metals & Rare Earth

Ytterbium Oxide



Ytterbium Oxide is insoluble in water and cool acid, but soluble in hot acid. It is mainly used as coat material for heat shield, electronic material, active device material, battery additive material and bio-pharmaceutical field etc.

Formula	Yb ₂ O ₃
Appearance	Light Green
Molecular weight	394.08
Density	9.17g/cm ³
Melting Point	2372°C
CAS No.	1314-37-0

No.	Item	Standard Specification	
1	Yb ₂ O ₃ /REO ≥	99.995%	
2	REO ≥	99.0%	
3	Impurity Max each	REO Impurity/REO	Nd ₂ O ₃ /Sm ₂ O ₃ /Eu ₂ O ₃ /Dy ₂ O ₃ /Ho ₂ O ₃ 0.0001%
			Er ₂ O ₃ /Tm ₂ O ₃ /Lu ₂ O ₃ /Y ₂ O ₃ 0.0001%
			La ₂ O ₃ /Tb ₄ O ₇ 0.0002%
			CeO ₂ /Pr ₆ O ₁₁ 0.0005%
4	Packing	Other	Fe ₂ O ₃ 0.0005%, SiO ₂ 0.002%, CaO 0.001%, Cl ⁻ 0.05%
4	Packing	25kgs in plastic/cardboard drum	

Yttrium Oxide



optic glass etc.

High Purity Yttrium Oxide, white powder, is insoluble in water and alkali, but soluble in acid. It is used in the manufacture of fluorescent powder, laser crystal, function ceramic, magneto-optic material, optic fiber and

Formula	Y ₂ O ₃
Appearance	White Powder
Molecular weight	225.8
Density	5.03g/cm ³
Melting Point	2410°C
CAS No.	1314-36-9

No.	Item	Standard Specification	
1	Y ₂ O ₃ /REO ≥	99.995%	99.999%
2	REO ≥	99.0%	99.0%
3	REO Impurity/REO Max	0.005%	0.001%
4	Other Impurity Max	Fe ₂ O ₃	0.0005%
		SiO ₂	0.003%
		CaO	0.001%
		Cl ⁻	0.02%
5	Packing	25kgs in cardboard drum	