

YTTRIUM NITRATE $Y(NO_3)_3 \cdot 6H_2O$

Properties

White crystalline powder, soluble in water

Application

- Red colour in phosphors for colour television tubes



Chemical analysis

	99,9 %	99,99 %	99,999 %
Material base			
TREO*	typ. 30,0 %	typ. 30,0 %	typ. 30,0 %
Fe ₂ O ₃	< 30 ppm	< 10 ppm	< 5 ppm
CaO	< 50 ppm	< 25 ppm	< 10 ppm
Na ₂ O	< 50 ppm	< 25 ppm	< 10 ppm
SiO ₂	< 80 ppm	< 25 ppm	< 5 ppm
Al ₂ O ₃	< 100 ppm	< 40 ppm	< 10 ppm
K ₂ O	< 40 ppm	< 25 ppm	< 10 ppm
TREO base			
Y ₂ O ₃	min. 99,9 %	min. 99,99 %	min. 99,999 %
Total remaining RE-Oxides	max. 0,1 %	max. 100 ppm	max. 10 ppm

*TREO = Total Rare Earth Oxide

Form of delivery

Product available as crystal or solution.

Packing

- Plastic boxes with 1, 5 or 10 kgs net
- Plastic or steeldrums with 25 kgs resp. 50 kgs net
- Other packing on request