



American International Chemical, Inc.

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SPECIFICATION SHEET

YTTRIUM OXIDE

Code No.	SCN No.	CAS No.	Effective Date	Written	Rev. No.	Approved
YTROXD	3120	1314-36-9	May 21, 1999	SDM	No. 2	TJK

CHARACTERISTICS:	Yellowish white powder. Soluble in dilute acids; insoluble in water.
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SPECIFICATIONS:	Assay (Y ₂ O ₃ /TREO)	99.99% min.
	TREO	99.0% min.
	Moisture content (105°C)	1% max.
	Loss on ignition (1000°C)	1% max.
	CeO ₂ /TREO	5 ppm max.
	Nd ₂ O ₃ /TREO	5 ppm max.
	Sm ₂ O ₃ /TREO	5 ppm max.
	Gd ₂ O ₃ /TREO	5 ppm max.
	Dy ₂ O ₃ /TREO	5 ppm max.
	Ho ₂ O ₃ /TREO	5 ppm max.
	Er ₂ O ₃ /TREO	5 ppm max.
	Tb ₄ O ₇ /TREO	5 ppm max.
	Calcium Oxide	10 ppm max.
Ferric Oxide	10 ppm max.	

STOCKING POINTS:	Farmingdale, NJ; Houston, TX
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PACKAGING:	25 kg and 50 kg fiber drums
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APPLICATIONS:	Phosphors for color TV tubes, stabilizer for zirconia refractories.
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