

GFS Chemicals, Inc.
Columbus, Ohio 43223

LOT ANALYSIS

ITEM: 2252 YTTRIUM OXIDE, 99.99%

LOT#:C257190

Test	PASS/FAIL	NUMERICAL RESULT
Assay (metals basis) 99.997 %	PASS	99.997 %

TRACEABLE TO N.I.S.T. (Y/N)? Y

Comment:

Reported by: Kenneth L. Shafer

QC Supervisor: Charles Fontaine

Quality Assured to Retest Point: 60 months from shipment

C/A Print Date: 12/22/2015

Not for direct use in food, cosmetics, finished pharmaceuticals or drug products. Supplier is not responsible for compliance with FDA Current Good Manufacturing Practice (CGMP) requirements, including without limitation those for finished drug products in 21 C.F.R Parts 210 and 211. Consult warranty limitations at www.gfschemicals.com/statics/documents/aboutus/termsandconditions.html For resale by GFS authorized distributors only.

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The trace element impurity levels in this product have been determined by Atomic Absorption (AA) and/or Plasma Emission Spectrometry (PES).

See Comments for Concentration

Al	< 1	As	< 1	B	< 1	Ba	< 1	Ca	4
Cd	< 1	Ce	< 1	Co	< 1	Cr	< 1	Cu	< 1
Dy	< 1	Er	< 1	Eu	< 1	Fe	< 1	Gd	< 1
Hg	< 1	Ho	< 1	K	< 1	La	< 1	Li	< 1
Lu	< 1	Mg	< 1	Mn	< 1	Mo	< 1	Na	6
Nd	< 1	Ni	< 1	P	< 1	Pb	< 1	Pd	< 1
Pr	5	S	< 1	Sb	< 1	Sc	< 1	Si	3
Sm	< 1	Sn	< 1	Sr	< 1	Tb	3	Ti	< 1
Tm	< 1	Y	*	Yb	< 1	Zn	13	Zr	< 1

Comment: RESULTS IN PARTS PER MILLION (PPM)

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