



Glow Discharge Mass Spectroscopy
NORTHERN ANALYTICAL LABORATORY, INC.

13 Delta Dr. Unit #4, Londonderry NH 03053	SAMPLE NO. G50428
Phone: (603) 434-8400 FAX: (603) 434-8500	FILE NO. 2YCI63
www.northernanalytical.com	DATE: 5/2/12

M. Shea Y2O3

Yarmouth Chemicals Inc.

28 Shelter Rock Road

PO # Verbal

Danbury CT 06810

Lot # 5596

ANALYSIS	ppmw	ANALYSIS	ppmw	ANALYSIS	ppmw
H		Zn	0.10	Pr	0.10
Li	<0.05	Ga	<0.1	Nd	0.15
Be	<0.01	Ge		Sm	0.10
B	0.10	As	<0.1	Eu	0.13
C		Se		Gd	0.10
N		Br		Tb	<0.05
O	Major	Rb		Dy	0.10
F	2.0	Sr	<0.1	Ho	0.28
Na	0.75	Y	Major	Er	0.13
Mg	0.45	Zr	0.10	Tm	<0.05
Al	0.75	Nb	<0.05	Yb	<0.1
Si	5.5	Mo	<0.05	Lu	<0.05
P	0.70	Ru		Hf	<0.05
S	5.5	Rh		Ta	<5
Cl	10	Pd		W	<0.1
K	0.50	Ag	≤0.1	Re	
Ca	1.3	Cd		Os	
Sc	<0.05	In		Ir	
Ti	0.10	Sn	<0.5	Pt	
V	<0.01	Sb	<0.5	Au	
Cr	0.70	Te		Hg	
Mn	0.035	I		Tl	
Fe*	1.8	Cs		Pb	<0.1
Co	<0.01	Ba	<0.1	Bi	<0.05
Ni	0.25	La	0.10	Th	<0.01
Cu	0.30	Ce	0.060	U	<0.01

*Inhomogeneous

All other elements <0.1ppmw, each



ANALYSIS BY:

William A. Guidoboni / Sr. Analytical Chemist

Name/Function

APPROVED BY:

Richard J. Guidoboni / President

Name/Function

This test report shall not be reproduced, except in full, without the written approval of Northern Analytical Laboratory.