



CUSTOMER: Intel Corporation - Santa Clara, CA
P.O. NO.: CAD032470000-#001
CONTRACT: 115202-001
QUANTITY: 1 pc
PART NO.: 037-0173-49 (NIOP)

ASSAY NO.: S11555-01
LOT NO: 2653750F01
DATE of CofC: 07/08/1997
DATE of ORDER: 06/30/1997

SPEC(S): 07-611 Rev 4
SPEC REVIEW LETTER(S): #80101.
DESCRIPTION: Target 59 Al+.5%Cu Mono Endura 13
DESCRIPTION: OMEGA-P Material. - Backing Plate Assembly.

CUSTOMER SPECIFICATION

59 Al+.5Cu

Cu 0.45 to 0.55

Ag <= 1
Ca <= 1
Mg <= 1
Mn <= 1
Si <= 2
C <= 15
H <= 0.1
O <= 18
K <= 1
Li <= 1
Na <= 1

As
B
Bi
Ce
Cl
Cr
Fe
La
Mo
Nd
Ni
P
Pb
Sb
Sc
Sn
Th
Ti
U

JOHNSON MATTHEY RESULTS

Alloy Analysis
0.48 % AA_W

Trace Analysis

< 0.002 ppm GDMS_W Det Limit
< 0.005 ppm GDMS_W Det Limit
0.2 ppm GDMS_W
0.014 ppm GDMS_W
1.4 ppm GDMS_W
6 ppm LECO_W
0.034 ppm LECO_W
15 ppm LECO_W
< 0.004 ppm GDMS_W Det Limit
< 0.0007 ppm GDMS_W Det Limit
< 0.0008 ppm GDMS_W Det Limit

0.005 ppm GDMS_W
0.05 ppm GDMS_W
0.002 ppm GDMS_W
0.04 ppm GDMS_W
0.010 ppm GDMS_W
0.06 ppm GDMS_W
1.2 ppm GDMS_W
0.02 ppm GDMS_W
0.003 ppm GDMS_W
0.02 ppm GDMS_W
0.04 ppm GDMS_W
0.18 ppm GDMS_W
0.004 ppm GDMS_W
0.02 ppm GDMS_W
0.014 ppm GDMS_W
0.012 ppm GDMS_W
0.0018 ppm GDMS_W
0.06 ppm GDMS_W
0.0005 ppm GDMS_W

JOHNSON MATTHEY ELECTRONICS
East 15128 Euclid Avenue, Spokane, Washington 99216
Tel. (509) 924-2200 / FAX (509) 922-8617

CofC ID #: Q67GZM02



Johnson Matthey

CERTIFICATE OF COMPLIANCE AND ANALYSIS 105 JM PART #: PI000-05469 Page 2 of 2

V	0.02	ppm	GDMS_W
W	0.07	ppm	GDMS_W
Y	0.005	ppm	GDMS_W
Zn	0.019	ppm	GDMS_W

— Total Impurities

Metal <= 10	3.2803	ppm
-------------	--------	-----

— Dimensional Results

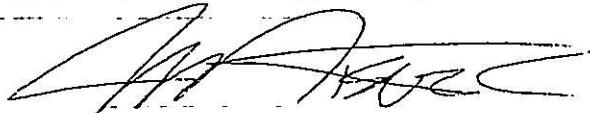
Grain	50	to 150	102	microns
Orientation at {111}			1.3	%
Orientation at {200}			42.4	%
Orientation at {220}			28.5	%
Orientation at {113}			27.9	%
Precipitate			< 4	µm

— Comments

This product was manufactured in an ODC free environment.

This is to certify that this product has been made in accordance with
Customer P.O. No. Part No. and Material Specification listed above.

JME:100

 7/8/97