Print Report

Printed:6/1/2020 1:28:37 PM

MATERIAL SPECIFICATION

INTEL CONFIDENTIAL

Intel Part Desc: TARGET,300MM,MAT Y,4N5,YES
Intel Part Nbr: 500383762
Intel Part Rev: 02
Part Notes:

Supp. Nbr: 109575
Supp. Part Nbr: MATY-V12-440MM
AML Status: ENGINEERING
AML Notes:

Data Entry: 06/01/2020 SPEEDWEB
Intel Approval:
Effective:

Package and Storage Information

EHS Number: NM-A1919
Shelf Life: 12 Months

Individual Container Size: 0

Net Contents: 5.2 Kilogram Container

500383762 MAT Y ULVAC TARGET

Notes:
CHEMGAS Notes:

Assay Composition

Parameter	Source	Src Abbr	- Tolerance	+Tolerance	Target	UofM	Test Code	Meas Qual.	Freq.	Key Parameter
Selenium			1.00	1.00	51	%	ZSE	w/w	Batch	Key
Arsenic			1.00	1.00	30.6	%	ZAS	w/w	Batch	Key
Germanium			1.00	1.00	12.7	%	ZGE	w/w	Batch	Key
Silicon			1.00	1.00	5.7	%	ZSI	w/w	Batch	Key

Functional Specifications

Parameter	Source	Src Abbr	- Tolerance	+Tolerance	Target	UofM	Test Code	Meas Qual.	Freq.	Key Parameter
Target Blank OD			0.2	0.2	440	mm	TAR_BOD		Individual	Key
Target Blank Thickness			0.1	0.1	7.8	mm	TAR_BTHK		Individual	Key

Parameter	Source	Src Abbr	Value	UofM	Test Code	Meas Qual.	Freq.	Key Parameter
Target Blank 2mm Top Rad			Go/No go	mm	TAR_BTOP		Individual	Key
BP Diameter			575	mm	BP_DIA		Individual	Key
BP Flange Thickness			16	mm	BP_FTHK		Individual	Key
BP Sidewall Height			82.5	mm	BP_SH		Individual	Key
BP Pocket Depth			76.5	mm	BP_PDE		Individual	Key
BP Target Blank Step			1	mm	BP_TBS		Individual	Key
BP Side Wall Dia			486	mm	BP_SDIA		Individual	Key
BP Pocket Dia			458	mm	BP_PDIA		Individual	Key
BP Bonded Surface Flatness			Read &Record	mm	BP_BSF		Individual	Key

Parameter	Source	Src Abbr	Min	Max	UofM	Test Code	Meas Qual.	Freq.	Key Parameter
Density			4.3	4.4	g/cm3	DEN		Individual	Key
Weight			5030	5290	g	Weight		Individual	Key
Target Blank Flatness				0.127	mm	TAR_BFLA		Individual	Key
Target Blank Parallism				0.127	mm	TAR_BPAR		Individual	Key
Target Blank Surface Roughness			3	4	um	TAR_BSUR		Individual	Key

Trace Metals

Parameter	Source	Src Abbr	Min	Max	UofM	Test Code	Meas Qual.	Freq.	Key Parameter
Aluminum				10	ppm	ZAL	w/w	Batch	Key
Bismuth				5	ppm	ZBI	w/w	Batch	Key
Chromium				10	ppm	ZCR	w/w	Batch	Key
Copper				10	ppm	ZCU	w/w	Batch	Key
Iron				10	ppm	IA	w/w	Batch	Key
Gallium				5	ppm	GH	w/w	Batch	Key
Magnesium				5	ppm	ZMG	w/w	Batch	Key
Manganese				5	ppm	ZMN	w/w	Batch	Key
Nickel				10	ppm	ZNI	w/w	Batch	Key
Lead				5	ppm	ZPB	w/w	Batch	Key
Scandium				5	ppm	SCA	w/w	Batch	Key
Sulfur				10	ppm	ZS	w/w	Batch	Key
Titanium				10	ppm	ZTI	w/w	Batch	Key
Tungsten				5	ppm	TUNG	w/w	Batch	Key
Yttrium				5	ppm	YTR	w/w	Batch	Key
Total Metallic Impurities				50	ppm	TMI	w/w	Batch	Key

Vapor Phase Impurities

Parameter	Source	Src Abbr	Min	Max	UofM	Test Code	Meas Qual.	Freq.	Key Parameter
Oxygen				700	ppm	ZO	w/w	Batch	Key
Nitrogen				10	ppm	ZN	w/w	Batch	Key