

Kurt J. Lesker® Company

1925 Route 51

Jefferson Hills, PA 15025-3681 USA

www.lesker.com

SALES: (800) 245-1656

(412) 387-9200 Fax: (412) 384-2745

Material Certification

Material Type: Copper, Cu

Description: 2.00" Diameter x 0.250" Thick, w/Keeper, For 2" Torus Mag Keeper

KJLC PN: EJTCUXX402TK4

Purity: 99.99%

Analysis Type: Typical, PPM by Wt.

Lot Number: 20991 / VR10-0043037

Ag: 12.7

Ni: 4.2

Se: <1.0

As: 1.4

O: 2.4

Sn: <1.0

Bi: <1.0

P: <1.0

Te: <1.0

Cd: <1.0

Pb: <1.0

Zn: <1.0

Fe: 1.1

S: 5.6

Mn: <0.5

Sb: <1.0

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Material Certification

Material Type: Chromium, Cr

Description: 2.00" Diameter x 0.250" Thick, w/Keeper, for 2" Torus Mag Keeper

KJLC PN: EJTCRXX352TK4

Purity: 99.95%

Analysis Type: Typical, PPM by Wt.

Lot Number: GWM221027-45 / VR10-0044945

Al: 5

N: 10

Si: 10

C: 20

Ni: 4

Cu: 8

O: 140

Fe: 48

S: 28

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Material Certification

Material Type: Niobium, Nb

Description: 1.00" Diameter x 0.125" Thick

KJLC PN: EJTNBXX351A2

Purity: 99.95% EX Ta

Analysis Type: Typical,% by Wt.

Lot Number: 2021-Nb-F075 / VR10-0018333

C: 0.0029

N: 0.0005

Ta: 0.0324

Fe: 0.0003

Nb: Remainder

Ti: 0.0003

H: 0.0001

Ni: 0.0004

W: 0.0021

Hf: <0.0001

O: 0.0076

Zr: <0.0001

Mo: <0.0010

Si: 0.0002

Materials Technician: Brian Moninger

Date: 10/6/2021

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Material Certification

Material Type: Titanium, Ti

Description: 2.00" Diameter x 0.250" Thick

KJLC PN: EJTTIXX452A4

Purity: 99.995%

Analysis Type: Typical, PPM by Wt.

Lot Number: GWM211221-36 / VR10-0028636

Ag: <0.05	Hf: <0.01	Re: <0.01
Al: 0.10	Hg: <0.1	Rh: <0.05
As: 0.02	In: <0.05	Ru: <0.01
Au: <0.05	Ir: <0.01	S: 0.02
B: <0.01	K: <0.01	Sb: <0.05
Ba: <0.005	Li: <0.01	Sc: <0.05
Be: <0.005	Mg: 0.05	Se: <0.05
Bi: <0.01	Mn: 0.06	Si: 0.21
Ca: <0.2	Mo: <0.5	Sn: <0.05
Cd: <0.05	Na: <0.01	Ta: <2
Ce: <0.005	Nb: <0.2	Te: <0.05
Co: <0.01	Ni: 0.16	Th: <0.0001
Cr: 0.06	Os: <0.01	V: 0.01
Cu: 0.20	P: <0.01	W: <0.01
Fe: 1.5	Pb: <0.01	Zn: <0.05
Ga: <0.05	Pd: <0.01	Zr: <0.05
Ge: <0.05	Pt: <0.05	

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Material Certification

Material Type: Tantalum, Ta

Description: 2.00" Diameter x 0.125" Thick, Elastomer Bonded to Copper BP, OFHC 101, 2.00" Diameter x 0.125" Thick, w/Keeper & Screw, for Torus Mag Keeper 2

KJLC PN: EJUTAXX352TK4

Purity: 99.95%

Analysis Type: Typical,% by Wt.

Lot Number: 2023-Ta-D237 / VR10-0056444

C: 0.0027

N: 0.0005

Si: <0.0001

Fe: <0.0001

Nb: 0.0043

Ta: Remainder

H: 0.0002

Ni: <0.0001

Ti: <0.0001

Mo: <0.0010

O: 0.0068

W: 0.0038

Materials Technician: James McGrath

Date: 7/12/2023

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Material Certification

Material Type: Copper, Cu

Description: 3.00" Diameter x 0.250" Thick, w/Keeper, for 3" Torus Mag Keeper

KJLC PN: EJTCUXX503TK4

Purity: 99.999%

Lot Number: CUFA41052121021 / VR10-0065839

Analysis Type: Typical, PPM by Wt.

Al: 0.649

C: <10

Ca: <0.01

Cl: 0.004

Co: <0.002

Cr: <0.003

Fe: 0.01

K: <0.008

Mg: <0.002

N: <0.1

Ni: <0.005

O: 1.22

S: <10

Si: <0.01

Materials Technician: James McGrath

Date: 2/8/2024

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Material Certification

Material Type: Chromium, Cr

Description: 2.00" Diameter x 0.250" Thick, w/ Keeper, For 2" Torus Mag Keeper

KJLC PN: EJTCRXX352TK4

Purity: 99.95%

Lot Number: GWM230213-69 / VR10-0052669

Analysis Type: Typical, PPM by Wt.

Al: 5

C: 20

Cu: 8

Fe: 48

N: 10

Ni: 4

O: 140

S: 28

Si: 10

Materials Technician: Brian Moninger

Date: 8/18/2023