

Kugler project number: 11110027
 Kugler article number: 55010
 Serial number: 002

Flat-Mirror specifications:

material: OFHC Copper
 dimensions: Ø12"
 thickness: 1"

form accuracy: PV < 2 µm
 (over 98% clear aperture of optical surface)
 roughness: Ra < 5 nm

coating: Protected Gold

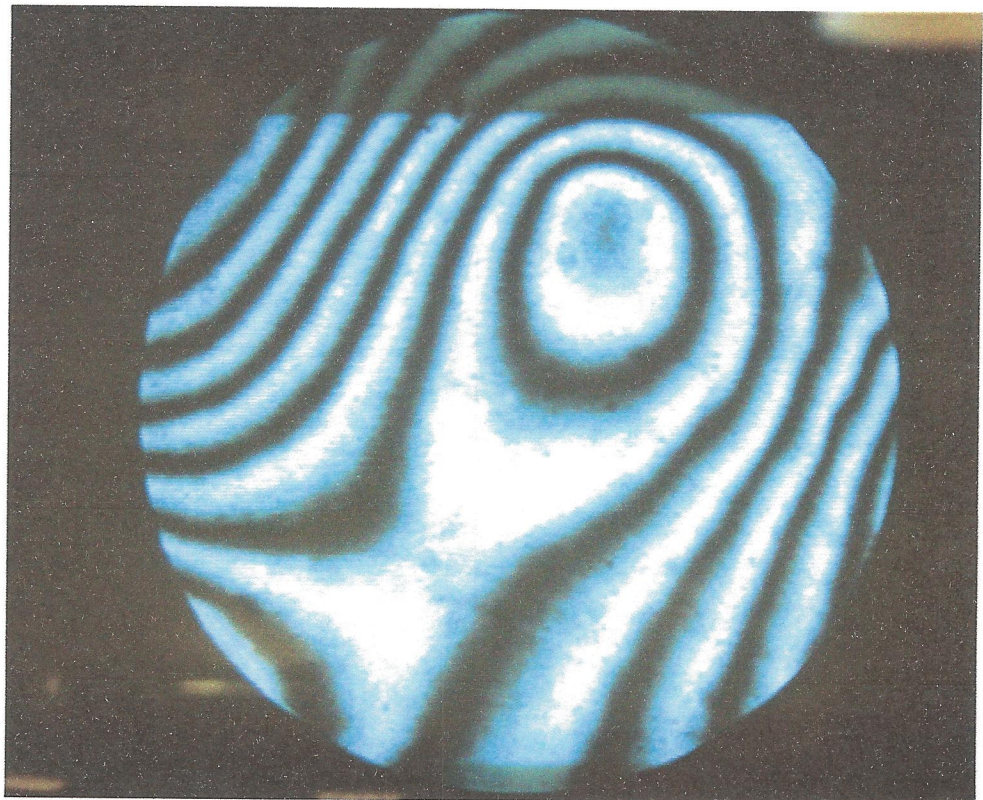
Summary of verification measurements:

form accuracy (best fit geometry): PV ≤ 2 µm
 (over 98% clear aperture of optical surface) yes: (X) no: ()
 interferogram attached yes: (X) no: ()
 roughness: Ra < 1.5 nm
 interferogram attached yes: (X) no: ()
 visual inspection of coating: type: PG. okay: (X)

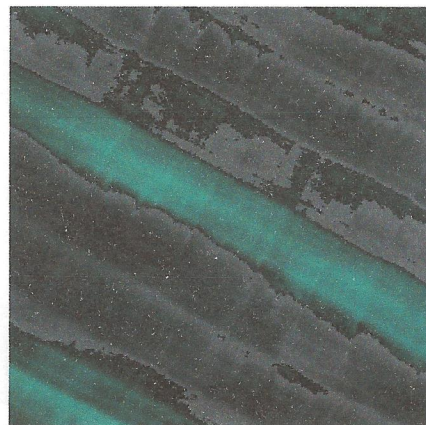
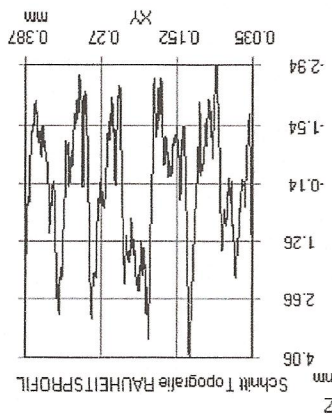
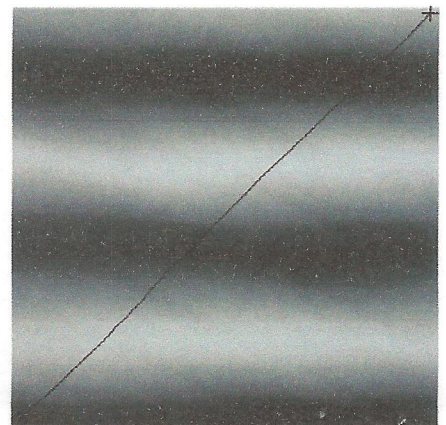
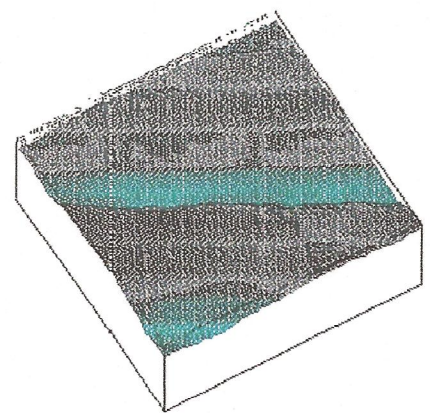
comments: Draw. No. D1001727-V2

inspection date: 25.03.2011
 inspected by: pg

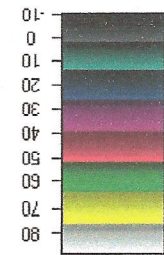
PF- No.: 1110027
Art. No.: 55010
Serial No.: 002
Article: Flat Mirror
Type: Ø12", t1"
Material: OFHC Copper
Coating: None
Draw.- No.: D1001727- V2



Qualitätsprüfung Mikrotextur



- Minimum = -10.84 nm
- Maximum = 87.83 nm
- PV = 98.67 nm
- RMS = 5.119 nm
- Schmittlänge = 0.4227 mm
- N = 852
- Li = 0.48 mm
- Cut-off = 0.08 mm
- Rt = 6.9567 nm
- Rk = 6.28838 nm
- Rmax = 5.70654 nm
- Rz = 1.32187 nm
- Ra = 1.55297 nm
- Rq = 1.55297 nm



Kamerabild
 Topometrie
 3D-Darstellung
 Rauheitsprofil
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KUGLER Mikrotopographie-System KMS
 Auswertung: PSIA NT, Messfenster 0,32x0,32mm
 Prüfer: Roeder
 Projekt: 11110027 Art.Nr. 5501 0/02
 Flar mirror 304,8mm x 25,4mm

Datum: 11.03.2011
 Zeit: 08:26:29

PLEIGER

Prüfprotokoll Beschichtung



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GmbH & Co. KG
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Telefon (02324) 398 - 401
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Kunde: Kugler

Beschichtung: Gold mit Schutz

Bestellnummer: 11050894

Artikelnummer/-bezeichnung: 55010 Planspiegel D304,8

Messstand: Perkin Elmer Lambda 900

Einfallswinkel: 7°

Referenz: NIST

Gold mit Schutz Charge #2

