

Argentium Instructor Certification

Test Paper - Level 2



ARGENTIUM[®]
THE FINEST SILVER

Argentium Instructor Certification - Level 2 Test

Testing hours

- 19.5 hrs testing time at JSI test site (3 days at 8 hrs per day, including lunch and break times - 6.5 hrs actual testing per day), **OR** 3 months time limit for proctored test of 19.5 hrs testing time.
- 4 projects and a written exam.
- 100 points possible - 70 must be correct to pass, time over penalty = 5 points per 30 minutes.

Day 1

Written exam: 1 hr - 40 questions (30 points in total)

Project 1) Oval prong pendant setting - wire: 5.5 hrs (soldered) - 25 points

Materials:

- 1.3mm (16ga) round wire x 304.8mm (1') (*wire work*)
- 0.8mm (20ga) round wire x 304.8mm (1') (*scroll work*)
- 12 x 20 oval faceted Cubic Zirconia
- Hard / Medium-Hard / Easy Argentium solder (*fabrication*)

Fabrication - bale:

- No tool marks on bale
- Bale is symmetrical
- Bale size is proportionate to pendant

Soldering - bale to pendant:

- Solder is not excessive
- Solder is complete
- Bale is centered
- Bale is not crooked

Fabrication - basket:

- Upper gallery wire is slightly smaller than size of stone
- Upper gallery oval is slightly larger than bottom oval gallery wire
- Upper gallery is properly oval in shape
- Lower gallery is properly oval in shape
- Gallery wires are parallel and evenly spaced
- Prongs are at a 70 degree angle (5 degrees variance allowed)
- Prongs are evenly spaced
- No excess solder on prongs at junction of gallery wires
- No visible tool marks on prongs



Continued on Pg. 3

Setting:

- Stone is level
- Stone is straight (not crooked)
- Seats for stone are cut properly with no excess light showing under stone
- Prongs contact stone on crown pavilion
- Prongs contact on crown pavilion is no less than 30% and no more than 50%
- Stone is not chipped or damaged in setting

Polishing and finishing:

- Finish is high polish
- No visible tool marks on wires
- No visible polishing compounds, fingerprints or watermarks

Day 2

Project 2) Locket: 6.5 hrs (soldered or fused) - 20 points

Materials:

- 0.65mm (22ga) sheet x 25.4mm x 25.4mm (1" square) (4 pcs) (*locket body*)
- 0.65mm (22ga) sheet x 19.1mm x 19.1mm (0.75" square) (2 pcs) (*inserts*)
- 0.65mm (22ga) sheet x 2mm (0.079") x 101.6mm (4") (*insert walls*)
- 0.8mm (20ga) wire x 25.4mm (1") (*jumprings*)
- 1mm (18ga) sheet x 4mm (0.157") x 20mm (0.787") (*carved bale*)
- 2mm (0.079") OD / 0.5mm (0.02") ID heavy wall tubing x 25.4mm (1") (*hinges*)
- Hard / Medium-Hard / Easy Argentium solder (*fabrication*)



Fabrication - bale:

- No visible tool marks on bale
- Bale is symmetrical
- Bale size is proportionate to locket

Soldering - jumpring to locket:

- Solder is not excessive
- Jumpring is centered

Soldering - bale to locket:

- Solder is complete
- Solder is not excessive

Continued on Pg. 4

Fabrication - locket:

- No pits in solder seams
- Locket is round
- Locket snaps closed
- No visible tool marks on locket
- No pits in seams of picture bezels
- Insert picture bezels are round and centered
- Insert picture bezels are tight fit and do not fall out
- No visible tool marks on insert picture bezels
- Locket hangs level

Polishing and finishing:

- Finish is high luster, matt or high polish
- No visible tool marks
- No visible polishing compounds, fingerprints or watermarks

Day 3

Project 3) Box clasp: 6.5 hrs (soldered or fused) - 15 points

Materials:

0.8mm(20a)sheetx18mm x15mm (box bottom)

0.8mm(20ga)sheetx40mm x10mm (tongue)

0.8mm(20ga)sheetx12mm x2mm (stop)

0.8mm (20ga) 12mm x 5mm (back)

0.8mm (20ga) 16mm x 12mm (top)

0.8mm (20ga) 12mm x 6mm (trigger)

Hard / Medium-Hard/Easy Argentium solder (fabrication)

Fabrication - box:

- Box has square 90 degree corners
- Box is made to size specification: 10mm x 10mm (1mm allowance)
- Sides are flat
- Sides are parallel and evenly spaced
- Hole has even and parallel opening
- Hole is proper size for tongue
- No visible excess solder

Fabrication - tongue:

- Tongue is properly shaped to size specification: 8mm x 12mm (1mm allowance)
- Tongue makes a clicking sound when inserted
- Tongue does not wobble in opening
- Tongue releases properly and does not bind
- Tongue is shaped properly
- Tongue is hardened (a hardened tongue will click better)

Polishing and finishing:

- Finish is high luster or matt
- No visible tool marks on tongue
- No visible tool marks on box
- No visible polishing compounds, fingerprints or watermarks



End of Test - Level 2

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