



Trigard Bronze has recently spent thousands of dollars on testing our product vs. a leading competitor's product along with several other clear finishes that are available on the market today to ensure that our DuraSheen™ withstands the elements of weather and intense ultraviolet rays. During our independent testing we ran tests on our Brilliant Impressions™ colorization process that passed with flying colors as well.

Our independent testing results are attached to this document and you can rest assured that Trigard Bronze is not only the finest product on the market today but it is also protected by the finest of finishes as well. We strive hard at Trigard to offer you and your families the ultimate in bronze memorialization. Each product is not looked at as a slab of bronze but a bronze canvas where we are honored to utilize our capabilities in producing the final chapter in the life of someone very important to us all... Your customers. Thank you for allowing us this opportunity.

Regards,

A handwritten signature in black ink, appearing to read "Richard Darby", written in a cursive style.

Richard Darby

Q.C. METALLURGICAL LABORATORY, INC.

Mechanical Testing • Metallographers • Chemical Analysis • Consultants
17048 215th Street, Davenport, Iowa 52804
(563) 386-7827 or (563) 386-8739 • FAX (563) 386-6780

COPY

TEST REPORT

July 26, 2007

Customer: Trigard Engraved Bronze
1126 N Kimball, Danville, IL 61832
Date Sample Arrived: 07/26/07
Report Number: 28572
Sample I.D.: Bronze Samples 1 and 2
Sample Condition: As received
Test Method(s): ASTM E1086
Method Deviations: None

To: Paul Calamari or Shane Rowe
Date Tested: 07/26/07
A2LA Accreditation: 1238-01, Expires 07/31/09
Test Location: QCML
Sampling Procedure: None
A2LA Accredited Test Procedure(s): ASTM E1086
P.O. NA

Test Results:

CHEMICAL ANALYSIS (ASTM E1086)
% by weight

Element	Sample 1	Sample 2
Silicon	< 0.01	< 0.01
Manganese	< 0.01	< 0.01
Sulfur	< 0.01	< 0.01
Phosphorus	< 0.01	< 0.01
Copper	Balance	Balance
Nickel	0.014	0.024
Chromium	< 0.01	< 0.01
Titanium	< 0.01	< 0.01
Aluminum	< 0.01	< 0.01
Lead	< 0.01	< 0.01
Magnesium	< 0.01	< 0.01
Zinc	9.8	9.7
Iron	< 0.01	0.029
Silver	0.016	< 0.01
Beryllium	< 0.01	< 0.01
Bismuth	0.018	0.016
Cobalt	< 0.01	< 0.01
Antimony	< 0.01	< 0.01
Selenium	< 0.01	< 0.01
Tin	< 0.01	< 0.01

Trigard's 220 alloy is over 90% copper content

Lead-free! Most bronze memorials contain a percentage of lead which is hazardous to the environment.

Close to 10% Zinc content. Zinc has been utilized as a metal protectant for hundreds of years.

< = less than

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TEST REPORT

December 12, 2007

Customer: Trigard Engraved Bronze
1126 N Kimball, Danville, IL 61832

Date Sample Arrived: 11/30/07

Report Number: 29188

Sample I.D.: MAT001

Sample Condition: As received

Test Method(s): ASTM E1086, ASTM E1024

Method Deviations: None

To: Paul Calamari or Shane Rowe

Date Tested: 12/03/07-12/12/07

A2LA Accreditation: 1238-01, Expires 07/31/09

Test Location: QCML

Sampling Procedure: None

A2LA Accredited Test Procedure(s): ASTM
E1024

P.O. NA

Test Results:

CHEMICAL ANALYSIS (ASTM E1086, ASTM E1024)

% by weight **Cast bronze content analysis**

Element	MAT001
Silicon	< 0.01
Manganese	< 0.01
Sulfur	0.022
Phosphorus	< 0.01
Copper	Balance
Nickel	0.19
Chromium	< 0.01
Titanium	< 0.01
Aluminum	< 0.01
Lead	2.21
Magnesium	0.026
Zinc	4.0
Iron	0.11
Antimony	0.039
Tin	5.5

Only 88% Copper content

2% lead. A potential hazard and risk.

< = less than

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SHERRY Laboratories

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LABORATORY REPORT

Attn: E DAVID RUMPLE, JR
GREENWOOD PLASTICS COMPANY
1126 NORTH KIMBALL
DANVILLE, IL 61832

Report No: 2003060510
Date Received: 06/16/2003
Date Reported: 07/08/2003
P.O. No: 751322-A

Material: Bronze
Sample ID: Wrought and Cast
Description: 4 parts

Micro - ASTM E 3-01/PTP 1010/1022

		Cast	Wrought
Porosity, %		0.3	None
Coating Thickness, in.	Base Coat	0.0015	0.0001
	Clear Coat	0.0023	0.0031

Room Temperature Tensile Test ASTM E 8-01

Sample ID	Width, in.	Thickness, in.	Tensile, psi	Yield (0.2% offset), psi	Elongation (in 2 in.), %	Location of Fracture
Cast	.505	.125	41,000	15,400	38.0	Inside middle half of gage
Wrought	10,700psi more tensile		51,700	48,900	3 times greater yield	Inside middle half of gage

Hardness, ASTM E 18-02

Sample ID	Core
Cast	27 HRBS
Trigard Wrought	66 HRBS

2.5 times harder

/1

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LABORATORY REPORT

Attn: Paul Calamari
Trigard Engraved Bronze¹
1125 N. Kimball St.
Danville, IL 61832

Report No.: 07110772-001 v2-Amended
Date Received: 11/27/2007
Date Reported: 1/9/2008
P.O. No.: PENDING

Sample Description: Bronze 220 Alloy grave markers

5% Salt Spray (Fog) Corrosion Resistance Test per ASTM B117-07

Exposure in Salt Spray Cabinet, Hours: 240
Tested for Conformance to: Internal requirements
Evaluation Requirements: Examine for corrosion products
Sample Preparation: Rinsed with deionized water
Number of Specimens Tested: 8

Evaluation	Results/Observations ¹
72 hours	No corrosion visible on any part
144 hours	No corrosion visible on any part
Leading competitor	[Redacted] (Qty-3): Corrosion on edges and slightly under coating at edges. Slight darkening of letter surfaces.
	1MP Trigard Durasheen. No change
240 hours	After 240 hours in the Salt Spray cabinet Trigard's DuraSheen outlasts the leading competitors protective clear shield. Salt Spray is the most corrosive element that a bronze memorial may ever face in the field.

Comment: See Figure 1 for photograph of specimens at test completion.

Approved by Chad J. Jones
Chad Jones, Manager of Nonmetallic Testing
Sherry Laboratories

Sample Description: Bronze 220 Alloy grave markers

Table 1. Results of UV Exposure

Specimen	Inspection Interval, Hours				
	264	386	648	841	1000
(Qty-3) Leading Competitor	NC	NC	NC	NC	NC
4BINPEG	NC	NC denotes NO CHANGE in the product during testing.			NFC
2MP	NC				NFC
4BINPRGEG (gray)	Yellowing				NFC
1MP Trigard Durasheen	NC	NC	NC	NC	NC
4BINPMP	NC	NC	NC	SL darkening	NFC
4BINPAN	NC	NC	NC	SL darkening	NFC
5BIWPEG	NC	NC	NC	NC	NC
3HTMP	After 1000 hours in the UV chamber Trigard's DuraSheen clear coat matched the leading competition's clear protective shield. Trigard also tested several other clear coats and primers to ensure that our DuraSheen clear coat was the finest protective layer that we can offer to you and your families. We have worked diligently to provide you with the fair and accurate test results by a certified independent test lab. We have invested the monies, time and effort to provide you with what we feel is the ultimate in our DuraSheen protectant.				
3HTAN					
1EG					
4BINPRGEG (color)					
5B1WPMP					
5B1WPAN					
2EG					
1RGEG					
2AN					
1AN					
6HTCPMP	NC	NC	NC	NC	NC
6HTCPAN	NC	NC	NC	NC	NC
6HTCPEG	NC	NC	NC	NC	NC
6HTCPRGEG	NC	NC	NC	NC	NC
3HTEG	NC	NC	NC	NC	NC
3HTRGEG	NC	NC	NC	NC	NC

*Of yellowing top layer and on lettering.

Key: NC = no change, NFC = no further change, SL = slight