

SMI, Inc.

12219 SW 131 Avenue
Miami, Florida 33186-6401 USA

Phone: (305) 971-7047
Fax: (305) 971-7048

Attn: Marc Skiersch
Reliance Specialty Products, Inc
855 Morse Avenue
Elk Grove Village, IL 60007

Date: 15-Aug-2019

SMI/REF: 1903-588R
Revised for product name change

Product: AeroTron -AV (received 20-May-2019)

Dilution: As received

Page 1 of 1

Pratt & Whitney
PWA 36604 Revision E
Hot Corrosion

3.2.3.2 Hot Corrosion: Test specimens shall show no evidence of hot corrosion greater than 0.0002 inches in depth when tested and examined in accordance with the procedure in Appendix A.

ALLOY	TEMPERATURE	DEPTH OF ATTACK (inches)
AMS 5544 (Waspaloy)	1600°F ± 25°F	0.0001
AMS 5536 (Hastelloy X)	1600°F ± 25°F	0.0001
AMS 5608 (Haynes 188)	1600°F ± 25°F	0.0001
AMS 5508 (Greek Ascology)	1050°F ± 25°F	0.0001
AMS 6359 (4340 Steel)	750°F ± 25°F	0.0001
AMS 4037 (2024-T3 Aluminum)	600°F ± 25°F	0.0001
AMS 4375 (AZ31B-0 Magnesium)	600°F ± 25°F	0.0001

Result Conforms

Respectfully submitted,



Patricia D. Viani, SMI Inc.

SMI, Inc. SCIENTIFIC MATERIAL INTERNATIONAL

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SMI REF #: 1903-588R
CLIENT: RELIANCE SPECIALTY PRODUCTS INC
PRODUCT: AEROTRON-AV
DILUTION: AS RECEIVED
ALLOY: AMS 5544

BLANK CONTROL		REPLICATE #1		REPLICATE #2	
I.G. ATTACK, INCHES:	0.0001"	I.G. ATTACK, INCHES:	0.0001"	I.G. ATTACK, INCHES:	0.0001"

x : 0.00000 y : 0.00014 l : 0.00014 inches

x : 0.00000 y : 0.00014 l : 0.00014 inches

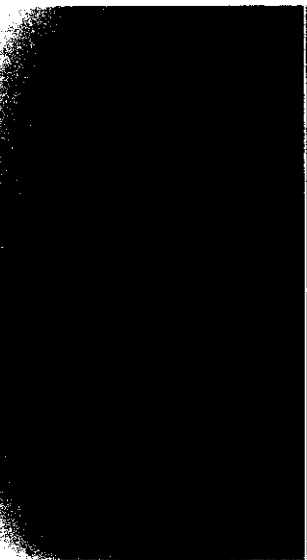
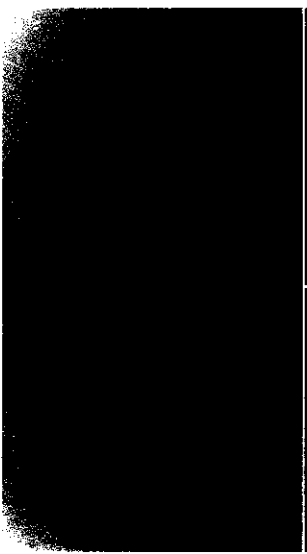
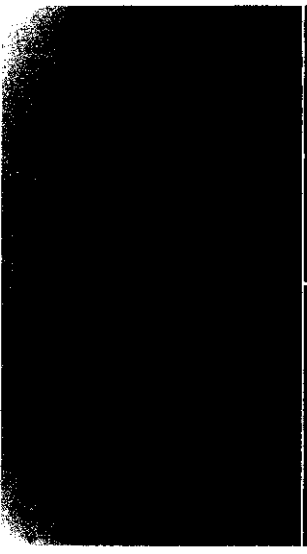
x : 0.00000 y : 0.00014 l : 0.00014 inches

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SMI REF #: 1903-588_R
CLIENT: RELIANCE SPECIALTY PRODUCTS INC
PRODUCT: AEROTRON-AV
DILUTION: AS RECEIVED
ALLOY: AMS 5536

x = 0.00090 y = 0.00014 l = 0.00014 inches		x = 0.00090 y = 0.00014 l = 0.00014 inches		x = 0.00090 y = 0.00014 l = 0.00014 inches	
					
BLANK CONTROL		REPLICATE #1		REPLICATE #2	
I.G. ATTACK, INCHES:	0.0001"	I.G. ATTACK, INCHES:	0.0001"	I.G. ATTACK, INCHES:	0.0001"

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 CLIENT: RELIANCE SPECIALTY PRODUCTS INC
 PRODUCT: AEROTRON-AV
 DILUTION: AS RECEIVED
 ALLOY: AMS 5608

BLANK CONTROL		REPLICATE #1		REPLICATE #2	
I.G. ATTACK, INCHES:	0.0001"	I.G. ATTACK, INCHES:	0.0001"	I.G. ATTACK, INCHES:	0.0001"

SML, Inc.

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SML REF #: 1903-588R

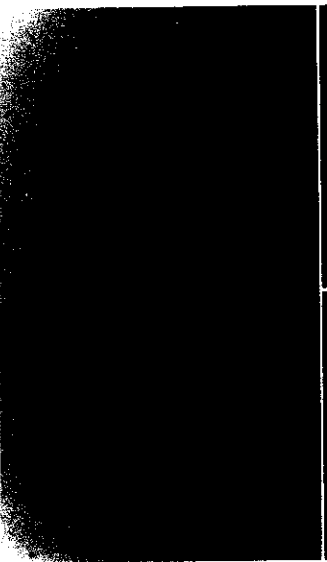
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PRODUCT: AEROTRON-AV

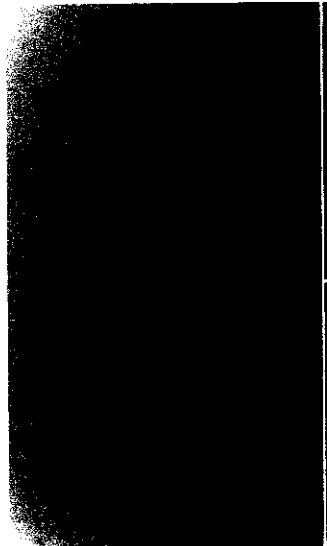
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ALLOY: AMS 6359

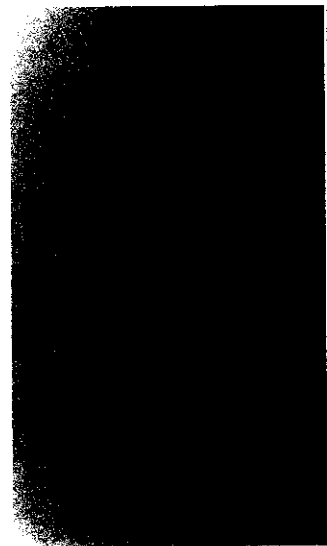
x - 0.00000 y - 0.00014 l - 0.00014 inches



x - 0.00000 y - 0.00014 l - 0.00014 inches



x 0.00000 y - 0.00014 l - 0.00014 inches



BLANK CONTROL		REPLICATE #1		REPLICATE #2	
I.G. ATTACK, INCHES:	0.0001"	I.G. ATTACK, INCHES:	0.0001"	I.G. ATTACK, INCHES:	0.0001"

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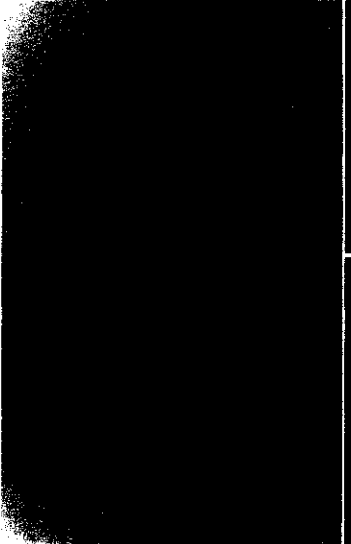
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CLIENT: RELIANCE SPECIALTY PRODUCTS INC
PRODUCT: AEROTRON-AV
DILUTION: AS RECEIVED
ALLOY: AMS 5508

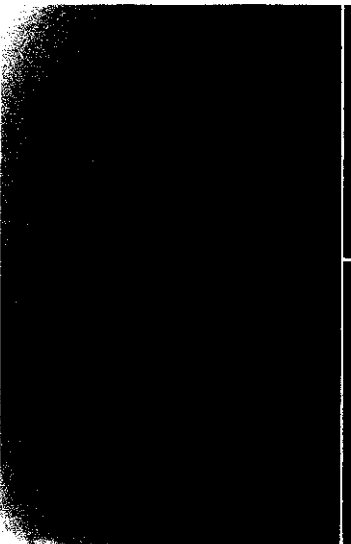
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x = 0.00000 y = 0.00014 l = 0.00014 inches



x = 0.00000 y = 0.00014 l = 0.00014 inches



	BLANK CONTROL	REPLICATE #1	REPLICATE #2
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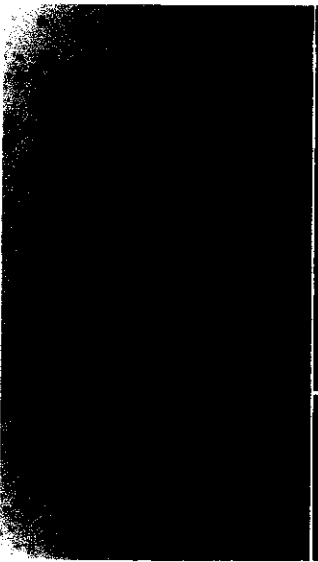
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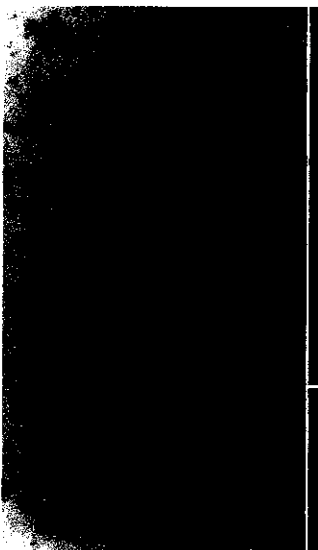
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PRODUCT: AEROTRON-AV
DILUTION: AS RECEIVED
ALLOY: AMS 4037

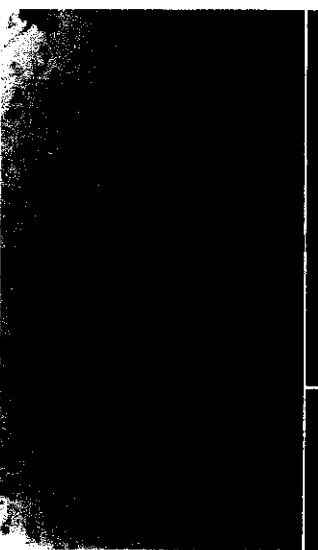
x = 0.00000 y = 0.00014 l = 0.00014 inches



x = 0.00000 y = 0.00014 l = 0.00014 inches



x = 0.00000 y = 0.00014 l = 0.00014 inches



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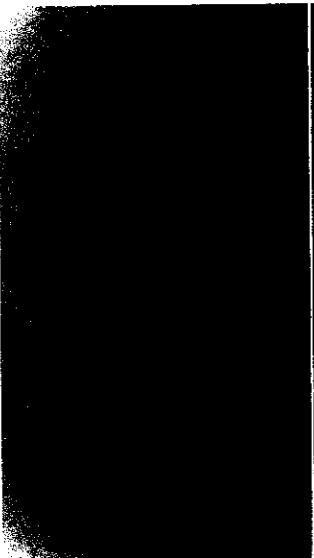
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PRODUCT: AEROTRON-AV

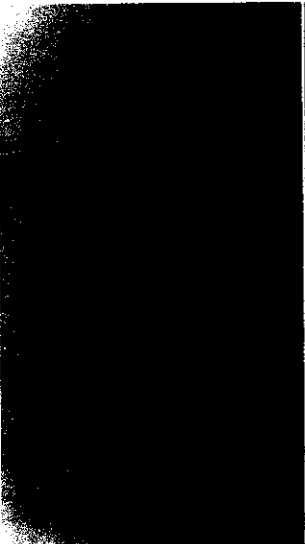
DILUTION: AS RECEIVED

ALLOY: AMS 4375

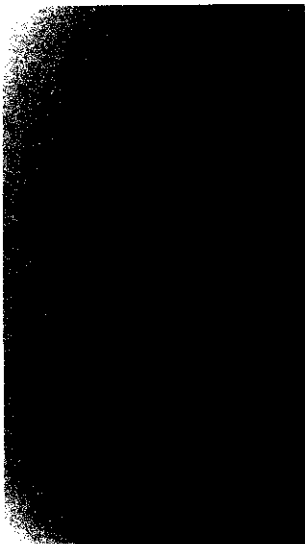
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