DOC ID 7.5.3.1F REV 5/18
DATE CREATED 10/7/2019

AMB AmeriBolt

A Division of Lonestar Group

MATERIAL TEST REPORT

AMB **LSF**

PO# P1382231 **SO#** 342751

Item:	5/8-11 X 3-1/4 ALL THREAD ROD		
Material Specification:	ASTM A193(17) B7		ZINC PLATED
LOT#:	54328 / 85546		
Heat Number:	10588510		
Tensile Strength KSI:	138	**Yield Strength KSI:**	126
Elongation:	22	**Reduction of Area:**	62
Hardness:	29 HRC	**Charpy Impact -20 F**	91/90/79
Macro Etch:	S2/R2/C2	**Tempering Temp.:**	1331 F
Quenched and Tempered		**Decarburization:**	0.004

Carbon (C):	0.420	**Chromium (CR):**	0.920
Manganese (MN):	0.880	**Molybdenum (MO):**	0.210
Phosphorus (P):	0.014	**Copper (CU):**	NA
Sulfur (S):	0.024	**Nitrogen (N):**	NA
Silicon (SI):	0.280	**Nickel (NI):**	NA
Cobalt (CO):	NA	**Aluminum (AL):**	NA
Vanadium (V):	NA	**Tin (SN):**	NA
Tungsten (W):	NA	**Titanium (TI):**	NA
Columbium/Niobium (NB/CB):	NA	**Boron (B):**	NA
Calcium (CA):	NA		

"AmeriBolt is a Lonestar Fasteners approved bolting products supplier"

We hereby certify that the material was manufactured, sampled, tested and inspected per the most recent revision of the product or material specification. The foregoing data was furnished to us by our supplier or resulting from a test performed in a recognized laboratory and is on file in the records of the corporation.

Name: NAKITA EVANS

18060 Highway 21 Sycamore, AL 35149. Phone (256) 249-6979. Fax (256) 249-8011

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MATERIAL TEST REPORT

AMB **LSF**

PO# P1382231 **SO#** 342751

Item:	5/8-11 X 4 ALL THREAD STUD		
Material Specification:	ASTM A193(17) B7		ZINC PLATED
LOT#:	54328 / 85546		
Heat Number:	10588510		
Tensile Strength KSI:	138	**Yield Strength KSI:**	126
Elongation:	22	**Reduction of Area:**	62
Hardness:	29 HRC	**Charpy Impact -20 F**	91/90/79
Macro Etch:	S2/R2/C2	**Tempering Temp.:**	1331 F
Quenched and Tempered		**Decarburization:**	0.004

Carbon (C):	0.420	**Chromium (CR):**	0.920
Manganese (MN):	0.880	**Molybdenum (MO):**	0.210
Phosphorus (P):	0.014	**Copper (CU):**	NA
Sulfur (S):	0.024	**Nitrogen (N):**	NA
Silicon (SI):	0.280	**Nickel (NI):**	NA
Cobalt (CO):	NA	**Aluminum (AL):**	NA
Vanadium (V):	NA	**Tin (SN):**	NA
Tungsten (W):	NA	**Titanium (TI):**	NA
Columbium/Niobium (NB/CB):	NA	**Boron (B):**	NA
Calcium (CA):	NA		

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MATERIAL TEST REPORT

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PO# P1382231 **SO#** 342751

Item:	5/8-11 X 5-3/4 ALL THREAD STUD		
Material Specification:	ASTM A193(17) B7		ZINC PLATED
LOT#:	87181		
Heat Number:	10567230		
Tensile Strength KSI:	136	**Yield Strength KSI:**	126
Elongation:	25	**Reduction of Area:**	64
Hardness:	28 HRC	**Charpy Impact -20 F**	104/130/92
Macro Etch:	S2/R2/C2	**Tempering Temp.:**	1327 F
Quenched and Tempered		**Decarburization:**	0.005

Carbon (C):	0.410	**Chromium (CR):**	0.920
Manganese (MN):	0.870	**Molybdenum (MO):**	0.200
Phosphorus (P):	0.009	**Copper (CU):**	NA
Sulfur (S):	0.024	**Nitrogen (N):**	NA
Silicon (SI):	0.260	**Nickel (NI):**	NA
Cobalt (CO):	NA	**Aluminum (AL):**	NA
Vanadium (V):	NA	**Tin (SN):**	NA
Tungsten (W):	NA	**Titanium (TI):**	NA
Columbium/Niobium (NB/CB):	NA	**Boron (B):**	NA
Calcium (CA):	NA		

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Item:	5/8-11 X 5-1/4 ALL THREAD STUD		
Material Specification:	ASTM A193(17) B7		ZINC PLATED
LOT#:	87181		
Heat Number:	10567230		
Tensile Strength KSI:	136	**Yield Strength KSI:**	126
Elongation:	25	**Reduction of Area:**	64
Hardness:	28 HRC	**Charpy Impact -20 F**	104/130/92
Macro Etch:	S2/R2/C2	**Tempering Temp.:**	1327 F
Quenched and Tempered		**Decarburization:**	0.005

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Cobalt (CO):	NA	**Aluminum (AL):**	NA
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Tungsten (W):	NA	**Titanium (TI):**	NA
Columbium/Niobium (NB/CB):	NA	**Boron (B):**	NA
Calcium (CA):	NA		

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