

Sold To: WHITE CAP CONSTRUCTION SUPPLY
 PO BOX 4955
 ORLANDO, FL 32802 US

Ship To: WHITE CAP DENVER RELOAD 914
 C/O MOUNTAIN RELOAD LLC
 1001 W 52ND AVE
 ZONE 30 TRACK 119
 DENVER, CO 80221 US

Customer PO	5825757	Sales Order #	12097980 - 4.1
Product Group	Rebar	Product #	2110320
Grade	A615 Gr 60/AASHTO M31	Lot #	120104939560
Size	#8	Heat #	1201049395
BOL #	BOL-1355826	Load #	1261337
Description	Rebar #8/25mm A615 Gr 60/AASHTO M31 40' 0" [480"] 2001-6000 lbs	Customer Part #	4358BAR60
Production Date	02/18/2023	Qty Shipped LBS	29905
Product Country Of Origin	United States	Qty Shipped EA	280
Original Item Description		Original Item Number	

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Melt Country of Origin : United States

Melting Date: 02/04/2023

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	V (%)	Nb (%)
0.43	1.08	0.015	0.034	0.23	0.11	0.21	0.04	0.34	0.003	0.002

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	67900	108300	14.0

Mechanical

	Average Deformation Height (IN)	Bend Test
(1)	0.063	Pass

Other Test Results

Weight Percent Variance (%) : -5.99

Tensile / Yield Ratio : 1.60

Comments:

ASTM A615/A615M-22 Grade 60, AASHTO M 31-22 Type S, Grade 60 (420)

Nucor Steel Utah is in compliance with and certified to: ISO 9001:2015, ISO 14001:2015, ABS Quality Assurance Program & AASHTO's NTPEP Reinforcing Steel and Wire (REBAR) Technical Committee Work Plan.

All manufacturing processes of the steel materials in this product, including melting, casting and hot rolling have occurred within the United States. Mercury not intentionally added at any point during manufacture or testing of this product. This material is free of HG contamination and is ROHS compliant. No weld repair was performed.

Material meets the requirements of the purchase order and have been produced under the Nucor Steel Utah Quality Manual. Mill Certificate complies with DIN EN 10204 – 3.1.

Material and Mill Certification are in full compliance with the American Iron and Steel requirement as mandated in EPA's State Revolving Fund Programs and complies with the Buy America Act, and (FTA) Buy America Requirements (49 C.F.R. part 661 & 23 CFR part 635.410).)



Bryden Morris, Chief Metallurgist



Mill Certification

02/20/2023

MTR#:1261337-3
Lot #:120104939661
W CEMETERY ROAD
PLYMOUTH, UT 84330 US
800 453-2886
Fax: 435 458-2309

Sold To: WHITE CAP CONSTRUCTION SUPPLY
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ZONE 30 TRACK 119
DENVER, CO 80221 US

Customer PO	5825757	Sales Order #	12097980 - 4.1
Product Group	Rebar	Product #	2110320
Grade	A615 Gr 60/AASHTO M31	Lot #	120104939661
Size	#8	Heat #	1201049396
BOL #	BOL-1355826	Load #	1261337
Description	Rebar #8/25mm A615 Gr 60/AASHTO M31 40' 0" [480"] 2001-6000 lbs	Customer Part #	4358BAR60
Production Date	02/18/2023	Qty Shipped LBS	41867
Product Country Of Origin	United States	Qty Shipped EA	392
Original Item Description		Original Item Number	

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Melt Country of Origin : United States

Melting Date: 02/04/2023

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	V (%)	Nb (%)
0.43	1.07	0.009	0.045	0.23	0.09	0.18	0.04	0.34	0.002	0.002

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	64200	109000	15.0

Mechanical

	Average Deformation Height (IN)	Bend Test
(1)	0.054	Pass

Other Test Results

Weight Percent Variance (%) : -4.46

Tensile / Yield Ratio : 1.70

Comments:

ASTM A615/A615M-22 Grade 60, AASHTO M 31-22 Type S, Grade 60 (420)

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Customer PO	5825757	Sales Order #	12097980 - 4.1
Product Group	Rebar	Product #	2110320
Grade	A615 Gr 60/AASHTO M31	Lot #	120204903360
Size	#8	Heat #	1202049033
BOL #	BOL-1355826	Load #	1261337
Description	Rebar #8/25mm A615 Gr 60/AASHTO M31 40' 0" [480"] 2001-6000 lbs	Customer Part #	4358BAR60
Production Date	02/18/2023	Qty Shipped LBS	137563
Product Country Of Origin	United States	Qty Shipped EA	1288
Original Item Description		Original Item Number	

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Melt Country of Origin : United States

Melting Date: 02/04/2023

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	V (%)	Nb (%)
0.42	1.11	0.012	0.045	0.18	0.09	0.16	0.03	0.27	0.004	0.002

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	64800	105700	17.0

Mechanical

	Average Deformation Height (IN)	Bend Test
(1)	0.055	Pass

Other Test Results

Weight Percent Variance (%) : -4.46

Tensile / Yield Ratio : 1.63

Comments:

ASTM A615/A615M-22 Grade 60, AASHTO M 31-22 Type S, Grade 60 (420)

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Bryden Morris, Chief Metallurgist



Mill Certification

12/20/2022

MTR#:1213075-3
Lot #:120104791921
W CEMETERY ROAD
PLYMOUTH, UT 84330 US
800 453-2886
Fax: 435 458-2309

Sold To: WHITE CAP CONSTRUCTION SUPPLY
PO BOX 4955
ORLANDO, FL 32802 US

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C/O MOUNTAIN RELOAD LLC
1001 W 52ND AVE
ZONE 30 TRACK 119
DENVER, CO 80221 US

Customer PO	5744558	Sales Order #	12095490 - 1.1
Product Group	Rebar	Product #	2110264
Grade	A615 Gr 60/AASHTO M31	Lot #	120104791921
Size	#6	Heat #	1201047919
BOL #	BOL-1310064	Load #	1213075
Description	Rebar #6/19mm A615 Gr 60/AASHTO M31 40' 0" [480"] 6001-10000 lbs	Customer Part #	4356BAR60
Production Date	12/16/2022	Qty Shipped LBS	77984
Product Country Of Origin	United States	Qty Shipped EA	1298
Original Item Description		Original Item Number	

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Melt Country of Origin : United States

Melting Date: 12/10/2022

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	V (%)	Nb (%)	Sn (%)
0.47	1.01	0.005	0.062	0.22	0.09	0.11	0.02	0.34	0.003	0.002	0.008

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	64300	105100	14.0

Mechanical

	Average Deformation Height (IN)	Bend Test
(1)	0.052	Pass

Other Test Results

Weight Percent Variance (%) : -5.46

Tensile / Yield Ratio : 1.64

Comments:

ASTM A615/A615M-22 Grade 60, AASHTO M 31-22 Type S, Grade 60 (420)

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Bryden Morris, Chief Metallurgist



Mill Certification

12/20/2022

MTR#:1213075-3
Lot #:120204759921
W CEMETERY ROAD
PLYMOUTH, UT 84330 US
800 453-2886
Fax: 435 458-2309

Sold To: WHITE CAP CONSTRUCTION SUPPLY
PO BOX 4955
ORLANDO, FL 32802 US

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C/O MOUNTAIN RELOAD LLC
1001 W 52ND AVE
ZONE 30 TRACK 119
DENVER, CO 80221 US

Customer PO	5744558	Sales Order #	12095490 - 1.1
Product Group	Rebar	Product #	2110264
Grade	A615 Gr 60/AASHTO M31	Lot #	120204759921
Size	#6	Heat #	1202047599
BOL #	BOL-1310064	Load #	1213075
Description	Rebar #6/19mm A615 Gr 60/AASHTO M31 40' 0" [480"] 6001-10000 lbs	Customer Part #	4356BAR60
Production Date	12/16/2022	Qty Shipped LBS	66088
Product Country Of Origin	United States	Qty Shipped EA	1100
Original Item Description		Original Item Number	

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Melt Country of Origin : United States

Melting Date: 12/10/2022

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	V (%)	Nb (%)	Sn (%)
0.47	1.06	0.010	0.049	0.21	0.08	0.14	0.02	0.27	0.004	0.002	0.009

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	66800	105800	16.0

Mechanical

	Average Deformation Height (IN)	Bend Test
(1)	0.053	Pass

Other Test Results

Weight Percent Variance (%) : -4.79

Tensile / Yield Ratio : 1.58

Comments:

ASTM A615/A615M-22 Grade 60, AASHTO M 31-22 Type S, Grade 60 (420)

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Mill Certification

12/20/2022

MTR#:1213075-3
Lot #:120204760021
W CEMETERY ROAD
PLYMOUTH, UT 84330 US
800 453-2886
Fax: 435 458-2309

Sold To: WHITE CAP CONSTRUCTION SUPPLY
PO BOX 4955
ORLANDO, FL 32802 US

Ship To: WHITE CAP DENVER RELOAD 914
C/O MOUNTAIN RELOAD LLC
1001 W 52ND AVE
ZONE 30 TRACK 119
DENVER, CO 80221 US

Customer PO	5744558	Sales Order #	12095490 - 1.1
Product Group	Rebar	Product #	2110264
Grade	A615 Gr 60/AASHTO M31	Lot #	120204760021
Size	#6	Heat #	1202047600
BOL #	BOL-1310064	Load #	1213075
Description	Rebar #6/19mm A615 Gr 60/AASHTO M31 40' 0" [480"] 6001-10000 lbs	Customer Part #	4356BAR60
Production Date	12/16/2022	Qty Shipped LBS	59900
Product Country Of Origin	United States	Qty Shipped EA	997
Original Item Description		Original Item Number	

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Melt Country of Origin : United States

Melting Date: 12/10/2022

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	V (%)	Nb (%)	Sn (%)
0.46	1.07	0.010	0.042	0.19	0.08	0.15	0.02	0.28	0.004	0.002	0.009

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	65800	105900	17.0

Mechanical

	Average Deformation Height (IN)	Bend Test
(1)	0.051	Pass

Other Test Results

Weight Percent Variance (%) : -5.39

Tensile / Yield Ratio : 1.61

Comments:

ASTM A615/A615M-22 Grade 60, AASHTO M 31-22 Type S, Grade 60 (420)

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 ZONE 30 TRACK 119
 DENVER, CO 80221 US

Customer PO	5876892	Sales Order #	12098945 - 6.1
Product Group	Rebar	Product #	2110230
Grade	A615 Gr 60/AASHTO M31	Lot #	120104872860
Size	#5	Heat #	1201048728
BOL #	BOL-1359488	Load #	1265675
Description	Rebar #5/16mm A615 Gr 60/AASHTO M31 40' 0" [480"] 4001-8000 lbs	Customer Part #	4355BAR60
Production Date	02/12/2023	Qty Shipped LBS	36048
Product Country Of Origin	United States	Qty Shipped EA	864
Original Item Description		Original Item Number	

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Melt Country of Origin : United States

Melting Date: 01/10/2023

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	V (%)	Nb (%)
0.44	1.08	0.009	0.055	0.22	0.08	0.14	0.02	0.27	0.002	0.002

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	66600	107200	14.0

Mechanical

	Average Deformation Height (IN)	Bend Test
(1)	0.043	Pass

Other Test Results

Weight Percent Variance (%) : -5.66

Tensile / Yield Ratio : 1.61

Comments:

ASTM A615/A615M-22 Grade 60, AASHTO M 31-22 Type S, Grade 60 (420)

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Bryden Morris, Chief Metallurgist



Mill Certification

02/23/2023

MTR#:1265675-5
Lot #:120104873060
W CEMETERY ROAD
PLYMOUTH, UT 84330 US
800 453-2886
Fax: 435 458-2309

Sold To: WHITE CAP CONSTRUCTION SUPPLY
PO BOX 4955
ORLANDO, FL 32802 US

Ship To: WHITE CAP DENVER RELOAD 914
C/O MOUNTAIN RELOAD LLC
1001 W 52ND AVE
ZONE 30 TRACK 119
DENVER, CO 80221 US

Customer PO	5876892	Sales Order #	12098945 - 6.1
Product Group	Rebar	Product #	2110230
Grade	A615 Gr 60/AASHTO M31	Lot #	120104873060
Size	#5	Heat #	1201048730
BOL #	BOL-1359488	Load #	1265675
Description	Rebar #5/16mm A615 Gr 60/AASHTO M31 40' 0" [480"] 4001-8000 lbs	Customer Part #	4355BAR60
Production Date	02/12/2023	Qty Shipped LBS	66088
Product Country Of Origin	United States	Qty Shipped EA	1584
Original Item Description		Original Item Number	

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Melt Country of Origin : United States

Melting Date: 01/10/2023

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	V (%)	Nb (%)
0.46	1.02	0.011	0.051	0.21	0.13	0.11	0.04	0.29	0.004	0.001

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	69800	109700	13.0

Mechanical

	Average Deformation Height (IN)	Bend Test
(1)	0.044	Pass

Other Test Results

Weight Percent Variance (%) : -5.18

Tensile / Yield Ratio : 1.57

Comments:

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Mill Certification

02/23/2023

MTR#:1265675-5
Lot #:120204837460
W CEMETERY ROAD
PLYMOUTH, UT 84330 US
800 453-2886
Fax: 435 458-2309

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PO BOX 4955
ORLANDO, FL 32802 US

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C/O MOUNTAIN RELOAD LLC
1001 W 52ND AVE
ZONE 30 TRACK 119
DENVER, CO 80221 US

Customer PO	5876892	Sales Order #	12098945 - 6.1
Product Group	Rebar	Product #	2110230
Grade	A615 Gr 60/AASHTO M31	Lot #	120204837460
Size	#5	Heat #	1202048374
BOL #	BOL-1359488	Load #	1265675
Description	Rebar #5/16mm A615 Gr 60/AASHTO M31 40' 0" [480"] 4001-8000 lbs	Customer Part #	4355BAR60
Production Date	02/12/2023	Qty Shipped LBS	84112
Product Country Of Origin	United States	Qty Shipped EA	2016
Original Item Description		Original Item Number	

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Melt Country of Origin : United States

Melting Date: 01/10/2023

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	V (%)	Nb (%)
0.46	1.04	0.008	0.048	0.24	0.09	0.14	0.02	0.27	0.003	0.002

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	67300	105300	13.0

Mechanical

	Average Deformation Height (IN)	Bend Test
(1)	0.042	Pass

Other Test Results

Weight Percent Variance (%) : -5.47

Tensile / Yield Ratio : 1.57

Comments:

ASTM A615/A615M-22 Grade 60, AASHTO M 31-22 Type S, Grade 60 (420)

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Bryden Morris, Chief Metallurgist



Mill Certification

02/23/2023

MTR#:1265675-5
Lot #:120204837560
W CEMETERY ROAD
PLYMOUTH, UT 84330 US
800 453-2886
Fax: 435 458-2309

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PO BOX 4955
ORLANDO, FL 32802 US

Ship To: WHITE CAP DENVER RELOAD 914
C/O MOUNTAIN RELOAD LLC
1001 W 52ND AVE
ZONE 30 TRACK 119
DENVER, CO 80221 US

Customer PO	5876892	Sales Order #	12098945 - 6.1
Product Group	Rebar	Product #	2110230
Grade	A615 Gr 60/AASHTO M31	Lot #	120204837560
Size	#5	Heat #	1202048375
BOL #	BOL-1359488	Load #	1265675
Description	Rebar #5/16mm A615 Gr 60/AASHTO M31 40' 0" [480"] 4001-8000 lbs	Customer Part #	4355BAR60
Production Date	02/12/2023	Qty Shipped LBS	12016
Product Country Of Origin	United States	Qty Shipped EA	288
Original Item Description		Original Item Number	

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Melt Country of Origin : United States

Melting Date: 01/10/2023

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	V (%)	Nb (%)
0.43	1.06	0.012	0.052	0.19	0.08	0.20	0.02	0.30	0.003	0.002

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	62300	105200	14.0

Mechanical

	Average Deformation Height (IN)	Bend Test
(1)	0.042	Pass

Other Test Results

Weight Percent Variance (%) : -5.18

Tensile / Yield Ratio : 1.69

Comments:

ASTM A615/A615M-22 Grade 60, AASHTO M 31-22 Type S, Grade 60 (420)

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Material meets the requirements of the purchase order and have been produced under the Nucor Steel Utah Quality Manual. Mill Certificate complies with DIN EN 10204 – 3.1.

Material and Mill Certification are in full compliance with the American Iron and Steel requirement as mandated in EPA's State Revolving Fund Programs and complies with the Buy America Act, and (FTA) Buy America Requirements (49 C.F.R. part 661 & 23 CFR part 635.410).)

Bryden Morris, Chief Metallurgist



Mill Certification

02/23/2023

MTR#:1265675-5
Lot #:120204837760
W CEMETERY ROAD
PLYMOUTH, UT 84330 US
800 453-2886
Fax: 435 458-2309

Sold To: WHITE CAP CONSTRUCTION SUPPLY
PO BOX 4955
ORLANDO, FL 32802 US

Ship To: WHITE CAP DENVER RELOAD 914
C/O MOUNTAIN RELOAD LLC
1001 W 52ND AVE
ZONE 30 TRACK 119
DENVER, CO 80221 US

Customer PO	5876892	Sales Order #	12098945 - 6.1
Product Group	Rebar	Product #	2110230
Grade	A615 Gr 60/AASHTO M31	Lot #	120204837760
Size	#5	Heat #	1202048377
BOL #	BOL-1359488	Load #	1265675
Description	Rebar #5/16mm A615 Gr 60/AASHTO M31 40' 0" [480"] 4001-8000 lbs	Customer Part #	4355BAR60
Production Date	02/12/2023	Qty Shipped LBS	6008
Product Country Of Origin	United States	Qty Shipped EA	144
Original Item Description		Original Item Number	

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Melt Country of Origin : United States

Melting Date: 01/10/2023

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	V (%)	Nb (%)
0.44	1.03	0.018	0.055	0.26	0.13	0.16	0.04	0.29	0.004	0.001

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	69300	108700	13.0

Mechanical

	Average Deformation Height (IN)	Bend Test
(1)	0.042	Pass

Other Test Results

Weight Percent Variance (%) : -4.51

Tensile / Yield Ratio : 1.57

Comments:

ASTM A615/A615M-22 Grade 60, AASHTO M 31-22 Type S, Grade 60 (420)

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Bryden Morris, Chief Metallurgist



Mill Certification

10/20/2022

MTR#:1155786-3
Lot #:120104463361
W CEMETERY ROAD
PLYMOUTH, UT 84330 US
800 453-2886
Fax: 435 458-2309

Sold To: WHITE CAP CONSTRUCTION SUPPLY
PO BOX 4955
ORLANDO, FL 32802 US

Ship To: WHITE CAP - GRAND JUNCTION
2382 LELAND AVE
GRAND JUNCTION, CO 81505 US

Customer PO	5596972	Sales Order #	12092680 - 1.1
Product Group	Rebar	Product #	2110199
Grade	A615 Gr 60/AASHTO M31	Lot #	120104463361
Size	#4	Heat #	1201044633
BOL #	BOL-1263198	Load #	1155786
Description	Rebar #4/13mm A615 Gr 60/AASHTO M31 40' 0" [480"] 4001-8000 lbs	Customer Part #	4354BAR60
Production Date	08/06/2022	Qty Shipped LBS	11756
Product Country Of Origin	United States	Qty Shipped EA	440
Original Item Description		Original Item Number	

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Melt Country of Origin : United States

Melting Date: 08/05/2022

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	V (%)	Nb (%)
0.43	1.07	0.016	0.042	0.24	0.09	0.18	0.02	0.33	0.003	0.001

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	71600	111200	11.0

Mechanical

	Average Deformation Height (IN)	Bend Test
(1)	0.030	Pass

Other Test Results

Weight Percent Variance (%) : -4.19

Tensile / Yield Ratio : 1.55

Comments:

ASTM A615/A615M-22 Grade 60, AASHTO M 31-22 Type S, Grade 60 (420)

Nucor Steel Utah is in compliance with and certified to: ISO 9001:2015, ISO 14001:2015, ABS Quality Assurance Program & AASHTO's NTPEP Reinforcing Steel and Wire (REBAR) Technical Committee Work Plan.

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Bryden Morris, Chief Metallurgist



Mill Certification

10/20/2022

MTR#:1155786-3
Lot #:120104519660
W CEMETERY ROAD
PLYMOUTH, UT 84330 US
800 453-2886
Fax: 435 458-2309

Sold To: WHITE CAP CONSTRUCTION SUPPLY
PO BOX 4955
ORLANDO, FL 32802 US

Ship To: WHITE CAP - GRAND JUNCTION
2382 LELAND AVE
GRAND JUNCTION, CO 81505 US

Customer PO	5596972	Sales Order #	12092680 - 1.1
Product Group	Rebar	Product #	2110199
Grade	A615 Gr 60/AASHTO M31	Lot #	120104519660
Size	#4	Heat #	1201045196
BOL #	BOL-1263198	Load #	1155786
Description	Rebar #4/13mm A615 Gr 60/AASHTO M31 40' 0" [480"] 4001-8000 lbs	Customer Part #	4354BAR60
Production Date	09/20/2022	Qty Shipped LBS	23512
Product Country Of Origin	United States	Qty Shipped EA	880
Original Item Description		Original Item Number	

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Melt Country of Origin : United States

Melting Date: 08/26/2022

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	V (%)	Nb (%)
0.42	1.00	0.014	0.022	0.21	0.09	0.20	0.02	0.26	0.003	0.001

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	71000	110200	14.0

Mechanical

	Average Deformation Height (IN)	Bend Test
(1)	0.029	Pass

Other Test Results

Weight Percent Variance (%) : -3.44

Tensile / Yield Ratio : 1.55

Comments:

ASTM A615/A615M-22 Grade 60, AASHTO M 31-22 Type S, Grade 60 (420)

Nucor Steel Utah is in compliance with and certified to: ISO 9001:2015, ISO 14001:2015, ABS Quality Assurance Program & AASHTO's NTPEP Reinforcing Steel and Wire (REBAR) Technical Committee Work Plan.

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Bryden Morris, Chief Metallurgist



Mill Certification

10/20/2022

MTR#:1155786-3
Lot #:120204443061
W CEMETERY ROAD
PLYMOUTH, UT 84330 US
800 453-2886
Fax: 435 458-2309

Sold To: WHITE CAP CONSTRUCTION SUPPLY
PO BOX 4955
ORLANDO, FL 32802 US

Ship To: WHITE CAP - GRAND JUNCTION
2382 LELAND AVE
GRAND JUNCTION, CO 81505 US

Customer PO	5596972	Sales Order #	12092680 - 1.1
Product Group	Rebar	Product #	2110199
Grade	A615 Gr 60/AASHTO M31	Lot #	120204443061
Size	#4	Heat #	1202044430
BOL #	BOL-1263198	Load #	1155786
Description	Rebar #4/13mm A615 Gr 60/AASHTO M31 40' 0" [480"] 4001-8000 lbs	Customer Part #	4354BAR60
Production Date	08/06/2022	Qty Shipped LBS	11756
Product Country Of Origin	United States	Qty Shipped EA	440
Original Item Description		Original Item Number	

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Melt Country of Origin : United States

Melting Date: 08/05/2022

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	V (%)	Nb (%)
0.44	1.00	0.020	0.047	0.19	0.09	0.20	0.02	0.30	0.004	0.001

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	72000	112100	13.0

Mechanical

	Average Deformation Height (IN)	Bend Test
(1)	0.032	Pass

Other Test Results

Weight Percent Variance (%) : -3.89

Tensile / Yield Ratio : 1.56

Comments:

ASTM A615/A615M-22 Grade 60, AASHTO M 31-22 Type S, Grade 60 (420)

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Bryden Morris, Chief Metallurgist



Mill Certification

12/20/2022

MTR#:1213078-3
Lot #:120104793161
W CEMETERY ROAD
PLYMOUTH, UT 84330 US
800 453-2886
Fax: 435 458-2309

Sold To: WHITE CAP CONSTRUCTION SUPPLY
PO BOX 4955
ORLANDO, FL 32802 US

Ship To: WHITE CAP DENVER RELOAD 914
C/O MOUNTAIN RELOAD LLC
1001 W 52ND AVE
ZONE 30 TRACK 119
DENVER, CO 80221 US

Customer PO	5744588	Sales Order #	12095490 - 5.1
Product Group	Rebar	Product #	2110295
Grade	A615 Gr 60/AASHTO M31	Lot #	120104793161
Size	#7	Heat #	1201047931
BOL #	BOL-1310066	Load #	1213078
Description	Rebar #7/22mm A615 Gr 60/AASHTO M31 40' 0" [480"] 2001-6000 lbs	Customer Part #	4357BAR60
Production Date	12/18/2022	Qty Shipped LBS	100079
Product Country Of Origin	United States	Qty Shipped EA	1224
Original Item Description		Original Item Number	

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Melt Country of Origin : United States

Melting Date: 12/10/2022

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	V (%)	Nb (%)
0.46	1.05	0.016	0.055	0.21	0.11	0.18	0.02	0.32	0.003	0.002

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	65500	105400	14.0

Mechanical

	Average Deformation Height (IN)	Bend Test
(1)	0.051	Pass

Other Test Results

Weight Percent Variance (%) : -3.03

Tensile / Yield Ratio : 1.61

Comments:

ASTM A615/A615M-22 Grade 60, AASHTO M 31-22 Type S, Grade 60 (420)

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Bryden Morris, Chief Metallurgist



Mill Certification

12/20/2022

MTR#:1213078-3
Lot #:120104792760
W CEMETERY ROAD
PLYMOUTH, UT 84330 US
800 453-2886
Fax: 435 458-2309

Sold To: WHITE CAP CONSTRUCTION SUPPLY
PO BOX 4955
ORLANDO, FL 32802 US

Ship To: WHITE CAP DENVER RELOAD 914
C/O MOUNTAIN RELOAD LLC
1001 W 52ND AVE
ZONE 30 TRACK 119
DENVER, CO 80221 US

Customer PO	5744588	Sales Order #	12095490 - 6.1
Product Group	Rebar	Product #	2110305
Grade	A615 Gr 60/AASHTO M31	Lot #	120104792760
Size	#7	Heat #	1201047927
BOL #	BOL-1310066	Load #	1213078
Description	Rebar #7/22mm A615 Gr 60/AASHTO M31 60' 0" [720"] 6001-10000 lbs	Customer Part #	4357BAR60
Production Date	12/18/2022	Qty Shipped LBS	31396
Product Country Of Origin	United States	Qty Shipped EA	256
Original Item Description		Original Item Number	

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Melt Country of Origin : United States

Melting Date: 12/10/2022

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	V (%)	Nb (%)
0.44	1.03	0.012	0.049	0.20	0.10	0.17	0.03	0.26	0.004	0.002

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	62800	102700	15.0

Mechanical

	Average Deformation Height (IN)	Bend Test
(1)	0.049	Pass

Other Test Results

Weight Percent Variance (%) : -5.97

Tensile / Yield Ratio : 1.64

Comments:

ASTM A615/A615M-22 Grade 60, AASHTO M 31-22 Type S, Grade 60 (420)

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Bryden Morris, Chief Metallurgist

Sold To: WHITE CAP CONSTRUCTION SUPPLY
 PO BOX 4955
 ORLANDO, FL 32802 US

Ship To: WHITE CAP DENVER RELOAD 914
 C/O MOUNTAIN RELOAD LLC
 1001 W 52ND AVE
 ZONE 30 TRACK 119
 DENVER, CO 80221 US

Customer PO	5744588	Sales Order #	12095490 - 6.1
Product Group	Rebar	Product #	2110305
Grade	A615 Gr 60/AASHTO M31	Lot #	120104792860
Size	#7	Heat #	1201047928
BOL #	BOL-1310066	Load #	1213078
Description	Rebar #7/22mm A615 Gr 60/AASHTO M31 60' 0" [720"] 6001-10000 lbs	Customer Part #	4357BAR60
Production Date	12/18/2022	Qty Shipped LBS	70641
Product Country Of Origin	United States	Qty Shipped EA	576
Original Item Description		Original Item Number	

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Melt Country of Origin : United States

Melting Date: 12/10/2022

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	V (%)	Nb (%)
0.46	1.03	0.010	0.053	0.20	0.08	0.14	0.02	0.31	0.003	0.002

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	60900	101500	15.0

Mechanical

	Average Deformation Height (IN)	Bend Test
(1)	0.048	Pass

Other Test Results

Weight Percent Variance (%) : -5.09

Tensile / Yield Ratio : 1.67

Comments:

ASTM A615/A615M-22 Grade 60, AASHTO M 31-22 Type S, Grade 60 (420)

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Bryden Morris, Chief Metallurgist



Mill Certification

12/20/2022

MTR#:1213075-3
Lot #:120104791921
W CEMETERY ROAD
PLYMOUTH, UT 84330 US
800 453-2886
Fax: 435 458-2309

Sold To: WHITE CAP CONSTRUCTION SUPPLY
PO BOX 4955
ORLANDO, FL 32802 US

Ship To: WHITE CAP DENVER RELOAD 914
C/O MOUNTAIN RELOAD LLC
1001 W 52ND AVE
ZONE 30 TRACK 119
DENVER, CO 80221 US

Customer PO	5744558	Sales Order #	12095490 - 1.1
Product Group	Rebar	Product #	2110264
Grade	A615 Gr 60/AASHTO M31	Lot #	120104791921
Size	#6	Heat #	1201047919
BOL #	BOL-1310064	Load #	1213075
Description	Rebar #6/19mm A615 Gr 60/AASHTO M31 40' 0" [480"] 6001-10000 lbs	Customer Part #	4356BAR60
Production Date	12/16/2022	Qty Shipped LBS	77984
Product Country Of Origin	United States	Qty Shipped EA	1298
Original Item Description		Original Item Number	

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Melt Country of Origin : United States

Melting Date: 12/10/2022

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	V (%)	Nb (%)	Sn (%)
0.47	1.01	0.005	0.062	0.22	0.09	0.11	0.02	0.34	0.003	0.002	0.008

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	64300	105100	14.0

Mechanical

	Average Deformation Height (IN)	Bend Test
(1)	0.052	Pass

Other Test Results

Weight Percent Variance (%) : -5.46

Tensile / Yield Ratio : 1.64

Comments:

ASTM A615/A615M-22 Grade 60, AASHTO M 31-22 Type S, Grade 60 (420)

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Bryden Morris, Chief Metallurgist



Mill Certification

12/20/2022

MTR#:1213075-3
Lot #:120204759921
W CEMETERY ROAD
PLYMOUTH, UT 84330 US
800 453-2886
Fax: 435 458-2309

Sold To: WHITE CAP CONSTRUCTION SUPPLY
PO BOX 4955
ORLANDO, FL 32802 US

Ship To: WHITE CAP DENVER RELOAD 914
C/O MOUNTAIN RELOAD LLC
1001 W 52ND AVE
ZONE 30 TRACK 119
DENVER, CO 80221 US

Customer PO	5744558	Sales Order #	12095490 - 1.1
Product Group	Rebar	Product #	2110264
Grade	A615 Gr 60/AASHTO M31	Lot #	120204759921
Size	#6	Heat #	1202047599
BOL #	BOL-1310064	Load #	1213075
Description	Rebar #6/19mm A615 Gr 60/AASHTO M31 40' 0" [480"] 6001-10000 lbs	Customer Part #	4356BAR60
Production Date	12/16/2022	Qty Shipped LBS	66088
Product Country Of Origin	United States	Qty Shipped EA	1100
Original Item Description		Original Item Number	

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Melt Country of Origin : United States

Melting Date: 12/10/2022

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	V (%)	Nb (%)	Sn (%)
0.47	1.06	0.010	0.049	0.21	0.08	0.14	0.02	0.27	0.004	0.002	0.009

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	66800	105800	16.0

Mechanical

	Average Deformation Height (IN)	Bend Test
(1)	0.053	Pass

Other Test Results

Weight Percent Variance (%) : -4.79

Tensile / Yield Ratio : 1.58

Comments:

ASTM A615/A615M-22 Grade 60, AASHTO M 31-22 Type S, Grade 60 (420)

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Bryden Morris, Chief Metallurgist



Mill Certification

12/20/2022

MTR#:1213075-3
Lot #:120204760021
W CEMETERY ROAD
PLYMOUTH, UT 84330 US
800 453-2886
Fax: 435 458-2309

Sold To: WHITE CAP CONSTRUCTION SUPPLY
PO BOX 4955
ORLANDO, FL 32802 US

Ship To: WHITE CAP DENVER RELOAD 914
C/O MOUNTAIN RELOAD LLC
1001 W 52ND AVE
ZONE 30 TRACK 119
DENVER, CO 80221 US

Customer PO	5744558	Sales Order #	12095490 - 1.1
Product Group	Rebar	Product #	2110264
Grade	A615 Gr 60/AASHTO M31	Lot #	120204760021
Size	#6	Heat #	1202047600
BOL #	BOL-1310064	Load #	1213075
Description	Rebar #6/19mm A615 Gr 60/AASHTO M31 40' 0" [480"] 6001-10000 lbs	Customer Part #	4356BAR60
Production Date	12/16/2022	Qty Shipped LBS	59900
Product Country Of Origin	United States	Qty Shipped EA	997
Original Item Description		Original Item Number	

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Melt Country of Origin : United States

Melting Date: 12/10/2022

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	V (%)	Nb (%)	Sn (%)
0.46	1.07	0.010	0.042	0.19	0.08	0.15	0.02	0.28	0.004	0.002	0.009

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	65800	105900	17.0

Mechanical

	Average Deformation Height (IN)	Bend Test
(1)	0.051	Pass

Other Test Results

Weight Percent Variance (%) : -5.39

Tensile / Yield Ratio : 1.61

Comments:

ASTM A615/A615M-22 Grade 60, AASHTO M 31-22 Type S, Grade 60 (420)

Nucor Steel Utah is in compliance with and certified to: ISO 9001:2015, ISO 14001:2015, ABS Quality Assurance Program & AASHTO's NTPEP Reinforcing Steel and Wire (REBAR) Technical Committee Work Plan.

All manufacturing processes of the steel materials in this product, including melting, casting and hot rolling have occurred within the United States. Mercury not intentionally added at any point during manufacture or testing of this product. This material is free of HG contamination and is ROHS compliant. No weld repair was performed.

Material meets the requirements of the purchase order and have been produced under the Nucor Steel Utah Quality Manual. Mill Certificate complies with DIN EN 10204 – 3.1.

Material and Mill Certification are in full compliance with the American Iron and Steel requirement as mandated in EPA's State Revolving Fund Programs and complies with the Buy America Act, and (FTA) Buy America Requirements (49 C.F.R. part 661 & 23 CFR part 635.410).)

Bryden Morris, Chief Metallurgist

Sold To: WHITE CAP CONSTRUCTION SUPPLY
 PO BOX 4955
 ORLANDO, FL 32802 US

Ship To: WHITE CAP DENVER RELOAD 914
 C/O MOUNTAIN RELOAD LLC
 1001 W 52ND AVE
 ZONE 30 TRACK 119
 DENVER, CO 80221 US

Customer PO	5876892	Sales Order #	12098945 - 6.1
Product Group	Rebar	Product #	2110230
Grade	A615 Gr 60/AASHTO M31	Lot #	120104872860
Size	#5	Heat #	1201048728
BOL #	BOL-1359488	Load #	1265675
Description	Rebar #5/16mm A615 Gr 60/AASHTO M31 40' 0" [480"] 4001-8000 lbs	Customer Part #	4355BAR60
Production Date	02/12/2023	Qty Shipped LBS	36048
Product Country Of Origin	United States	Qty Shipped EA	864
Original Item Description		Original Item Number	

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Melt Country of Origin : United States

Melting Date: 01/10/2023

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	V (%)	Nb (%)
0.44	1.08	0.009	0.055	0.22	0.08	0.14	0.02	0.27	0.002	0.002

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	66600	107200	14.0

Mechanical

	Average Deformation Height (IN)	Bend Test
(1)	0.043	Pass

Other Test Results

Weight Percent Variance (%) : -5.66

Tensile / Yield Ratio : 1.61

Comments:

ASTM A615/A615M-22 Grade 60, AASHTO M 31-22 Type S, Grade 60 (420)
 Nucor Steel Utah is in compliance with and certified to: ISO 9001:2015, ISO 14001:2015, ABS Quality Assurance Program & AASHTO's NTPEP Reinforcing Steel and Wire (REBAR) Technical Committee Work Plan.
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Bryden Morris, Chief Metallurgist



Mill Certification

02/23/2023

MTR#:1265675-5
Lot #:120104873060
W CEMETERY ROAD
PLYMOUTH, UT 84330 US
800 453-2886
Fax: 435 458-2309

Sold To: WHITE CAP CONSTRUCTION SUPPLY
PO BOX 4955
ORLANDO, FL 32802 US

Ship To: WHITE CAP DENVER RELOAD 914
C/O MOUNTAIN RELOAD LLC
1001 W 52ND AVE
ZONE 30 TRACK 119
DENVER, CO 80221 US

Customer PO	5876892	Sales Order #	12098945 - 6.1
Product Group	Rebar	Product #	2110230
Grade	A615 Gr 60/AASHTO M31	Lot #	120104873060
Size	#5	Heat #	1201048730
BOL #	BOL-1359488	Load #	1265675
Description	Rebar #5/16mm A615 Gr 60/AASHTO M31 40' 0" [480"] 4001-8000 lbs	Customer Part #	4355BAR60
Production Date	02/12/2023	Qty Shipped LBS	66088
Product Country Of Origin	United States	Qty Shipped EA	1584
Original Item Description		Original Item Number	

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Melt Country of Origin : United States

Melting Date: 01/10/2023

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	V (%)	Nb (%)
0.46	1.02	0.011	0.051	0.21	0.13	0.11	0.04	0.29	0.004	0.001

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	69800	109700	13.0

Mechanical

	Average Deformation Height (IN)	Bend Test
(1)	0.044	Pass

Other Test Results

Weight Percent Variance (%) : -5.18

Tensile / Yield Ratio : 1.57

Comments:

ASTM A615/A615M-22 Grade 60, AASHTO M 31-22 Type S, Grade 60 (420)

Nucor Steel Utah is in compliance with and certified to: ISO 9001:2015, ISO 14001:2015, ABS Quality Assurance Program & AASHTO's NTPEP Reinforcing Steel and Wire (REBAR) Technical Committee Work Plan.

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Bryden Morris, Chief Metallurgist



Mill Certification

02/23/2023

MTR#:1265675-5
Lot #:120204837460
W CEMETERY ROAD
PLYMOUTH, UT 84330 US
800 453-2886
Fax: 435 458-2309

Sold To: WHITE CAP CONSTRUCTION SUPPLY
PO BOX 4955
ORLANDO, FL 32802 US

Ship To: WHITE CAP DENVER RELOAD 914
C/O MOUNTAIN RELOAD LLC
1001 W 52ND AVE
ZONE 30 TRACK 119
DENVER, CO 80221 US

Customer PO	5876892	Sales Order #	12098945 - 6.1
Product Group	Rebar	Product #	2110230
Grade	A615 Gr 60/AASHTO M31	Lot #	120204837460
Size	#5	Heat #	1202048374
BOL #	BOL-1359488	Load #	1265675
Description	Rebar #5/16mm A615 Gr 60/AASHTO M31 40' 0" [480"] 4001-8000 lbs	Customer Part #	4355BAR60
Production Date	02/12/2023	Qty Shipped LBS	84112
Product Country Of Origin	United States	Qty Shipped EA	2016
Original Item Description		Original Item Number	

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Melt Country of Origin : United States

Melting Date: 01/10/2023

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	V (%)	Nb (%)
0.46	1.04	0.008	0.048	0.24	0.09	0.14	0.02	0.27	0.003	0.002

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	67300	105300	13.0

Mechanical

	Average Deformation Height (IN)	Bend Test
(1)	0.042	Pass

Other Test Results

Weight Percent Variance (%) : -5.47

Tensile / Yield Ratio : 1.57

Comments:

ASTM A615/A615M-22 Grade 60, AASHTO M 31-22 Type S, Grade 60 (420)

Nucor Steel Utah is in compliance with and certified to: ISO 9001:2015, ISO 14001:2015, ABS Quality Assurance Program & AASHTO's NTPEP Reinforcing Steel and Wire (REBAR) Technical Committee Work Plan.

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Bryden Morris, Chief Metallurgist



Mill Certification

02/23/2023

MTR#:1265675-5
Lot #:120204837560
W CEMETERY ROAD
PLYMOUTH, UT 84330 US
800 453-2886
Fax: 435 458-2309

Sold To: WHITE CAP CONSTRUCTION SUPPLY
PO BOX 4955
ORLANDO, FL 32802 US

Ship To: WHITE CAP DENVER RELOAD 914
C/O MOUNTAIN RELOAD LLC
1001 W 52ND AVE
ZONE 30 TRACK 119
DENVER, CO 80221 US

Customer PO	5876892	Sales Order #	12098945 - 6.1
Product Group	Rebar	Product #	2110230
Grade	A615 Gr 60/AASHTO M31	Lot #	120204837560
Size	#5	Heat #	1202048375
BOL #	BOL-1359488	Load #	1265675
Description	Rebar #5/16mm A615 Gr 60/AASHTO M31 40' 0" [480"] 4001-8000 lbs	Customer Part #	4355BAR60
Production Date	02/12/2023	Qty Shipped LBS	12016
Product Country Of Origin	United States	Qty Shipped EA	288
Original Item Description		Original Item Number	

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Melt Country of Origin : United States

Melting Date: 01/10/2023

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	V (%)	Nb (%)
0.43	1.06	0.012	0.052	0.19	0.08	0.20	0.02	0.30	0.003	0.002

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	62300	105200	14.0

Mechanical

	Average Deformation Height (IN)	Bend Test
(1)	0.042	Pass

Other Test Results

Weight Percent Variance (%) : -5.18

Tensile / Yield Ratio : 1.69

Comments:

ASTM A615/A615M-22 Grade 60, AASHTO M 31-22 Type S, Grade 60 (420)

Nucor Steel Utah is in compliance with and certified to: ISO 9001:2015, ISO 14001:2015, ABS Quality Assurance Program & AASHTO's NTPEP Reinforcing Steel and Wire (REBAR) Technical Committee Work Plan.

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Bryden Morris, Chief Metallurgist



Mill Certification

02/23/2023

MTR#:1265675-5
Lot #:120204837760
W CEMETERY ROAD
PLYMOUTH, UT 84330 US
800 453-2886
Fax: 435 458-2309

Sold To: WHITE CAP CONSTRUCTION SUPPLY
PO BOX 4955
ORLANDO, FL 32802 US

Ship To: WHITE CAP DENVER RELOAD 914
C/O MOUNTAIN RELOAD LLC
1001 W 52ND AVE
ZONE 30 TRACK 119
DENVER, CO 80221 US

Customer PO	5876892	Sales Order #	12098945 - 6.1
Product Group	Rebar	Product #	2110230
Grade	A615 Gr 60/AASHTO M31	Lot #	120204837760
Size	#5	Heat #	1202048377
BOL #	BOL-1359488	Load #	1265675
Description	Rebar #5/16mm A615 Gr 60/AASHTO M31 40' 0" [480"] 4001-8000 lbs	Customer Part #	4355BAR60
Production Date	02/12/2023	Qty Shipped LBS	6008
Product Country Of Origin	United States	Qty Shipped EA	144
Original Item Description		Original Item Number	

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Melt Country of Origin : United States

Melting Date: 01/10/2023

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	V (%)	Nb (%)
0.44	1.03	0.018	0.055	0.26	0.13	0.16	0.04	0.29	0.004	0.001

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	69300	108700	13.0

Mechanical

	Average Deformation Height (IN)	Bend Test
(1)	0.042	Pass

Other Test Results

Weight Percent Variance (%) : -4.51

Tensile / Yield Ratio : 1.57

Comments:

ASTM A615/A615M-22 Grade 60, AASHTO M 31-22 Type S, Grade 60 (420)

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Bryden Morris, Chief Metallurgist



Mill Certification

10/20/2022

MTR#:1155786-3
Lot #:120104463361
W CEMETERY ROAD
PLYMOUTH, UT 84330 US
800 453-2886
Fax: 435 458-2309

Sold To: WHITE CAP CONSTRUCTION SUPPLY
PO BOX 4955
ORLANDO, FL 32802 US

Ship To: WHITE CAP - GRAND JUNCTION
2382 LELAND AVE
GRAND JUNCTION, CO 81505 US

Customer PO	5596972	Sales Order #	12092680 - 1.1
Product Group	Rebar	Product #	2110199
Grade	A615 Gr 60/AASHTO M31	Lot #	120104463361
Size	#4	Heat #	1201044633
BOL #	BOL-1263198	Load #	1155786
Description	Rebar #4/13mm A615 Gr 60/AASHTO M31 40' 0" [480"] 4001-8000 lbs	Customer Part #	4354BAR60
Production Date	08/06/2022	Qty Shipped LBS	11756
Product Country Of Origin	United States	Qty Shipped EA	440
Original Item Description		Original Item Number	

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Melt Country of Origin : United States

Melting Date: 08/05/2022

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	V (%)	Nb (%)
0.43	1.07	0.016	0.042	0.24	0.09	0.18	0.02	0.33	0.003	0.001

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	71600	111200	11.0

Mechanical

	Average Deformation Height (IN)	Bend Test
(1)	0.030	Pass

Other Test Results

Weight Percent Variance (%) : -4.19

Tensile / Yield Ratio : 1.55

Comments:

ASTM A615/A615M-22 Grade 60, AASHTO M 31-22 Type S, Grade 60 (420)

Nucor Steel Utah is in compliance with and certified to: ISO 9001:2015, ISO 14001:2015, ABS Quality Assurance Program & AASHTO's NTPEP Reinforcing Steel and Wire (REBAR) Technical Committee Work Plan.

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Bryden Morris, Chief Metallurgist



Mill Certification

10/20/2022

MTR#:1155786-3
Lot #:120104519660
W CEMETERY ROAD
PLYMOUTH, UT 84330 US
800 453-2886
Fax: 435 458-2309

Sold To: WHITE CAP CONSTRUCTION SUPPLY
PO BOX 4955
ORLANDO, FL 32802 US

Ship To: WHITE CAP - GRAND JUNCTION
2382 LELAND AVE
GRAND JUNCTION, CO 81505 US

Customer PO	5596972	Sales Order #	12092680 - 1.1
Product Group	Rebar	Product #	2110199
Grade	A615 Gr 60/AASHTO M31	Lot #	120104519660
Size	#4	Heat #	1201045196
BOL #	BOL-1263198	Load #	1155786
Description	Rebar #4/13mm A615 Gr 60/AASHTO M31 40' 0" [480"] 4001-8000 lbs	Customer Part #	4354BAR60
Production Date	09/20/2022	Qty Shipped LBS	23512
Product Country Of Origin	United States	Qty Shipped EA	880
Original Item Description		Original Item Number	

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Melt Country of Origin : United States

Melting Date: 08/26/2022

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	V (%)	Nb (%)
0.42	1.00	0.014	0.022	0.21	0.09	0.20	0.02	0.26	0.003	0.001

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	71000	110200	14.0

Mechanical

	Average Deformation Height (IN)	Bend Test
(1)	0.029	Pass

Other Test Results

Weight Percent Variance (%) : -3.44

Tensile / Yield Ratio : 1.55

Comments:

ASTM A615/A615M-22 Grade 60, AASHTO M 31-22 Type S, Grade 60 (420)

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Bryden Morris, Chief Metallurgist



Mill Certification

10/20/2022

MTR#:1155786-3
Lot #:120204443061
W CEMETERY ROAD
PLYMOUTH, UT 84330 US
800 453-2886
Fax: 435 458-2309

Sold To: WHITE CAP CONSTRUCTION SUPPLY
PO BOX 4955
ORLANDO, FL 32802 US

Ship To: WHITE CAP - GRAND JUNCTION
2382 LELAND AVE
GRAND JUNCTION, CO 81505 US

Customer PO	5596972	Sales Order #	12092680 - 1.1
Product Group	Rebar	Product #	2110199
Grade	A615 Gr 60/AASHTO M31	Lot #	120204443061
Size	#4	Heat #	1202044430
BOL #	BOL-1263198	Load #	1155786
Description	Rebar #4/13mm A615 Gr 60/AASHTO M31 40' 0" [480"] 4001-8000 lbs	Customer Part #	4354BAR60
Production Date	08/06/2022	Qty Shipped LBS	11756
Product Country Of Origin	United States	Qty Shipped EA	440
Original Item Description		Original Item Number	

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Melt Country of Origin : United States

Melting Date: 08/05/2022

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	V (%)	Nb (%)
0.44	1.00	0.020	0.047	0.19	0.09	0.20	0.02	0.30	0.004	0.001

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	72000	112100	13.0

Mechanical

	Average Deformation Height (IN)	Bend Test
(1)	0.032	Pass

Other Test Results

Weight Percent Variance (%) : -3.89

Tensile / Yield Ratio : 1.56

Comments:

ASTM A615/A615M-22 Grade 60, AASHTO M 31-22 Type S, Grade 60 (420)

Nucor Steel Utah is in compliance with and certified to: ISO 9001:2015, ISO 14001:2015, ABS Quality Assurance Program & AASHTO's NTPEP Reinforcing Steel and Wire (REBAR) Technical Committee Work Plan.

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Bryden Morris, Chief Metallurgist



Mill Certification

12/20/2022

MTR#:1213078-3
Lot #:120104793161
W CEMETERY ROAD
PLYMOUTH, UT 84330 US
800 453-2886
Fax: 435 458-2309

Sold To: WHITE CAP CONSTRUCTION SUPPLY
PO BOX 4955
ORLANDO, FL 32802 US

Ship To: WHITE CAP DENVER RELOAD 914
C/O MOUNTAIN RELOAD LLC
1001 W 52ND AVE
ZONE 30 TRACK 119
DENVER, CO 80221 US

Customer PO	5744588	Sales Order #	12095490 - 5.1
Product Group	Rebar	Product #	2110295
Grade	A615 Gr 60/AASHTO M31	Lot #	120104793161
Size	#7	Heat #	1201047931
BOL #	BOL-1310066	Load #	1213078
Description	Rebar #7/22mm A615 Gr 60/AASHTO M31 40' 0" [480"] 2001-6000 lbs	Customer Part #	4357BAR60
Production Date	12/18/2022	Qty Shipped LBS	100079
Product Country Of Origin	United States	Qty Shipped EA	1224
Original Item Description		Original Item Number	

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Melt Country of Origin : United States

Melting Date: 12/10/2022

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	V (%)	Nb (%)
0.46	1.05	0.016	0.055	0.21	0.11	0.18	0.02	0.32	0.003	0.002

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	65500	105400	14.0

Mechanical

	Average Deformation Height (IN)	Bend Test
(1)	0.051	Pass

Other Test Results

Weight Percent Variance (%) : -3.03

Tensile / Yield Ratio : 1.61

Comments:

ASTM A615/A615M-22 Grade 60, AASHTO M 31-22 Type S, Grade 60 (420)

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Bryden Morris, Chief Metallurgist



Mill Certification

12/20/2022

MTR#:1213078-3
Lot #:120104792760
W CEMETERY ROAD
PLYMOUTH, UT 84330 US
800 453-2886
Fax: 435 458-2309

Sold To: WHITE CAP CONSTRUCTION SUPPLY
PO BOX 4955
ORLANDO, FL 32802 US

Ship To: WHITE CAP DENVER RELOAD 914
C/O MOUNTAIN RELOAD LLC
1001 W 52ND AVE
ZONE 30 TRACK 119
DENVER, CO 80221 US

Customer PO	5744588	Sales Order #	12095490 - 6.1
Product Group	Rebar	Product #	2110305
Grade	A615 Gr 60/AASHTO M31	Lot #	120104792760
Size	#7	Heat #	1201047927
BOL #	BOL-1310066	Load #	1213078
Description	Rebar #7/22mm A615 Gr 60/AASHTO M31 60' 0" [720"] 6001-10000 lbs	Customer Part #	4357BAR60
Production Date	12/18/2022	Qty Shipped LBS	31396
Product Country Of Origin	United States	Qty Shipped EA	256
Original Item Description		Original Item Number	

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Melt Country of Origin : United States

Melting Date: 12/10/2022

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	V (%)	Nb (%)
0.44	1.03	0.012	0.049	0.20	0.10	0.17	0.03	0.26	0.004	0.002

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	62800	102700	15.0

Mechanical

	Average Deformation Height (IN)	Bend Test
(1)	0.049	Pass

Other Test Results

Weight Percent Variance (%) : -5.97

Tensile / Yield Ratio : 1.64

Comments:

ASTM A615/A615M-22 Grade 60, AASHTO M 31-22 Type S, Grade 60 (420)

Nucor Steel Utah is in compliance with and certified to: ISO 9001:2015, ISO 14001:2015, ABS Quality Assurance Program & AASHTO's NTPEP Reinforcing Steel and Wire (REBAR) Technical Committee Work Plan.

All manufacturing processes of the steel materials in this product, including melting, casting and hot rolling have occurred within the United States. Mercury not intentionally added at any point during manufacture or testing of this product. This material is free of HG contamination and is ROHS compliant. No weld repair was performed.

Material meets the requirements of the purchase order and have been produced under the Nucor Steel Utah Quality Manual. Mill Certificate complies with DIN EN 10204 – 3.1.

Material and Mill Certification are in full compliance with the American Iron and Steel requirement as mandated in EPA's State Revolving Fund Programs and complies with the Buy America Act, and (FTA) Buy America Requirements (49 C.F.R. part 661 & 23 CFR part 635.410).)

Bryden Morris, Chief Metallurgist

Sold To: WHITE CAP CONSTRUCTION SUPPLY
 PO BOX 4955
 ORLANDO, FL 32802 US

Ship To: WHITE CAP DENVER RELOAD 914
 C/O MOUNTAIN RELOAD LLC
 1001 W 52ND AVE
 ZONE 30 TRACK 119
 DENVER, CO 80221 US

Customer PO	5744588	Sales Order #	12095490 - 6.1
Product Group	Rebar	Product #	2110305
Grade	A615 Gr 60/AASHTO M31	Lot #	120104792860
Size	#7	Heat #	1201047928
BOL #	BOL-1310066	Load #	1213078
Description	Rebar #7/22mm A615 Gr 60/AASHTO M31 60' 0" [720"] 6001-10000 lbs	Customer Part #	4357BAR60
Production Date	12/18/2022	Qty Shipped LBS	70641
Product Country Of Origin	United States	Qty Shipped EA	576
Original Item Description		Original Item Number	

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Melt Country of Origin : United States

Melting Date: 12/10/2022

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	V (%)	Nb (%)
0.46	1.03	0.010	0.053	0.20	0.08	0.14	0.02	0.31	0.003	0.002

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	60900	101500	15.0

Mechanical

	Average Deformation Height (IN)	Bend Test
(1)	0.048	Pass

Other Test Results

Weight Percent Variance (%) : -5.09

Tensile / Yield Ratio : 1.67

Comments:

ASTM A615/A615M-22 Grade 60, AASHTO M 31-22 Type S, Grade 60 (420)

Nucor Steel Utah is in compliance with and certified to: ISO 9001:2015, ISO 14001:2015, ABS Quality Assurance Program & AASHTO's NTPEP Reinforcing Steel and Wire (REBAR) Technical Committee Work Plan.

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Bryden Morris, Chief Metallurgist



Mill Certification

12/20/2022

MTR#:1213075-3
Lot #:120104791921
W CEMETERY ROAD
PLYMOUTH, UT 84330 US
800 453-2886
Fax: 435 458-2309

Sold To: WHITE CAP CONSTRUCTION SUPPLY
PO BOX 4955
ORLANDO, FL 32802 US

Ship To: WHITE CAP DENVER RELOAD 914
C/O MOUNTAIN RELOAD LLC
1001 W 52ND AVE
ZONE 30 TRACK 119
DENVER, CO 80221 US

Customer PO	5744558	Sales Order #	12095490 - 1.1
Product Group	Rebar	Product #	2110264
Grade	A615 Gr 60/AASHTO M31	Lot #	120104791921
Size	#6	Heat #	1201047919
BOL #	BOL-1310064	Load #	1213075
Description	Rebar #6/19mm A615 Gr 60/AASHTO M31 40' 0" [480"] 6001-10000 lbs	Customer Part #	4356BAR60
Production Date	12/16/2022	Qty Shipped LBS	77984
Product Country Of Origin	United States	Qty Shipped EA	1298
Original Item Description		Original Item Number	

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Melt Country of Origin : United States

Melting Date: 12/10/2022

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	V (%)	Nb (%)	Sn (%)
0.47	1.01	0.005	0.062	0.22	0.09	0.11	0.02	0.34	0.003	0.002	0.008

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	64300	105100	14.0

Mechanical

	Average Deformation Height (IN)	Bend Test
(1)	0.052	Pass

Other Test Results

Weight Percent Variance (%) : -5.46

Tensile / Yield Ratio : 1.64

Comments:

ASTM A615/A615M-22 Grade 60, AASHTO M 31-22 Type S, Grade 60 (420)

Nucor Steel Utah is in compliance with and certified to: ISO 9001:2015, ISO 14001:2015, ABS Quality Assurance Program & AASHTO's NTPEP Reinforcing Steel and Wire (REBAR) Technical Committee Work Plan.

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Bryden Morris, Chief Metallurgist



Mill Certification

12/20/2022

MTR#:1213075-3
Lot #:120204759921
W CEMETERY ROAD
PLYMOUTH, UT 84330 US
800 453-2886
Fax: 435 458-2309

Sold To: WHITE CAP CONSTRUCTION SUPPLY
PO BOX 4955
ORLANDO, FL 32802 US

Ship To: WHITE CAP DENVER RELOAD 914
C/O MOUNTAIN RELOAD LLC
1001 W 52ND AVE
ZONE 30 TRACK 119
DENVER, CO 80221 US

Customer PO	5744558	Sales Order #	12095490 - 1.1
Product Group	Rebar	Product #	2110264
Grade	A615 Gr 60/AASHTO M31	Lot #	120204759921
Size	#6	Heat #	1202047599
BOL #	BOL-1310064	Load #	1213075
Description	Rebar #6/19mm A615 Gr 60/AASHTO M31 40' 0" [480"] 6001-10000 lbs	Customer Part #	4356BAR60
Production Date	12/16/2022	Qty Shipped LBS	66088
Product Country Of Origin	United States	Qty Shipped EA	1100
Original Item Description		Original Item Number	

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Melt Country of Origin : United States

Melting Date: 12/10/2022

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	V (%)	Nb (%)	Sn (%)
0.47	1.06	0.010	0.049	0.21	0.08	0.14	0.02	0.27	0.004	0.002	0.009

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	66800	105800	16.0

Mechanical

	Average Deformation Height (IN)	Bend Test
(1)	0.053	Pass

Other Test Results

Weight Percent Variance (%) : -4.79

Tensile / Yield Ratio : 1.58

Comments:

ASTM A615/A615M-22 Grade 60, AASHTO M 31-22 Type S, Grade 60 (420)

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Bryden Morris, Chief Metallurgist



Mill Certification

12/20/2022

MTR#:1213075-3
Lot #:120204760021
W CEMETERY ROAD
PLYMOUTH, UT 84330 US
800 453-2886
Fax: 435 458-2309

Sold To: WHITE CAP CONSTRUCTION SUPPLY
PO BOX 4955
ORLANDO, FL 32802 US

Ship To: WHITE CAP DENVER RELOAD 914
C/O MOUNTAIN RELOAD LLC
1001 W 52ND AVE
ZONE 30 TRACK 119
DENVER, CO 80221 US

Customer PO	5744558	Sales Order #	12095490 - 1.1
Product Group	Rebar	Product #	2110264
Grade	A615 Gr 60/AASHTO M31	Lot #	120204760021
Size	#6	Heat #	1202047600
BOL #	BOL-1310064	Load #	1213075
Description	Rebar #6/19mm A615 Gr 60/AASHTO M31 40' 0" [480"] 6001-10000 lbs	Customer Part #	4356BAR60
Production Date	12/16/2022	Qty Shipped LBS	59900
Product Country Of Origin	United States	Qty Shipped EA	997
Original Item Description		Original Item Number	

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Melt Country of Origin : United States

Melting Date: 12/10/2022

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	V (%)	Nb (%)	Sn (%)
0.46	1.07	0.010	0.042	0.19	0.08	0.15	0.02	0.28	0.004	0.002	0.009

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	65800	105900	17.0

Mechanical

	Average Deformation Height (IN)	Bend Test
(1)	0.051	Pass

Other Test Results

Weight Percent Variance (%) : -5.39

Tensile / Yield Ratio : 1.61

Comments:

ASTM A615/A615M-22 Grade 60, AASHTO M 31-22 Type S, Grade 60 (420)

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Bryden Morris, Chief Metallurgist

Sold To: WHITE CAP CONSTRUCTION SUPPLY
 PO BOX 4955
 ORLANDO, FL 32802 US

Ship To: WHITE CAP DENVER RELOAD 914
 C/O MOUNTAIN RELOAD LLC
 1001 W 52ND AVE
 ZONE 30 TRACK 119
 DENVER, CO 80221 US

Customer PO	5876892	Sales Order #	12098945 - 6.1
Product Group	Rebar	Product #	2110230
Grade	A615 Gr 60/AASHTO M31	Lot #	120104872860
Size	#5	Heat #	1201048728
BOL #	BOL-1359488	Load #	1265675
Description	Rebar #5/16mm A615 Gr 60/AASHTO M31 40' 0" [480"] 4001-8000 lbs	Customer Part #	4355BAR60
Production Date	02/12/2023	Qty Shipped LBS	36048
Product Country Of Origin	United States	Qty Shipped EA	864
Original Item Description		Original Item Number	

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Melt Country of Origin : United States

Melting Date: 01/10/2023

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	V (%)	Nb (%)
0.44	1.08	0.009	0.055	0.22	0.08	0.14	0.02	0.27	0.002	0.002

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	66600	107200	14.0

Mechanical

	Average Deformation Height (IN)	Bend Test
(1)	0.043	Pass

Other Test Results

Weight Percent Variance (%) : -5.66

Tensile / Yield Ratio : 1.61

Comments:

ASTM A615/A615M-22 Grade 60, AASHTO M 31-22 Type S, Grade 60 (420)

Nucor Steel Utah is in compliance with and certified to: ISO 9001:2015, ISO 14001:2015, ABS Quality Assurance Program & AASHTO's NTPEP Reinforcing Steel and Wire (REBAR) Technical Committee Work Plan.

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Bryden Morris, Chief Metallurgist



Mill Certification

02/23/2023

MTR#:1265675-5
Lot #:120104873060
W CEMETERY ROAD
PLYMOUTH, UT 84330 US
800 453-2886
Fax: 435 458-2309

Sold To: WHITE CAP CONSTRUCTION SUPPLY
PO BOX 4955
ORLANDO, FL 32802 US

Ship To: WHITE CAP DENVER RELOAD 914
C/O MOUNTAIN RELOAD LLC
1001 W 52ND AVE
ZONE 30 TRACK 119
DENVER, CO 80221 US

Customer PO	5876892	Sales Order #	12098945 - 6.1
Product Group	Rebar	Product #	2110230
Grade	A615 Gr 60/AASHTO M31	Lot #	120104873060
Size	#5	Heat #	1201048730
BOL #	BOL-1359488	Load #	1265675
Description	Rebar #5/16mm A615 Gr 60/AASHTO M31 40' 0" [480"] 4001-8000 lbs	Customer Part #	4355BAR60
Production Date	02/12/2023	Qty Shipped LBS	66088
Product Country Of Origin	United States	Qty Shipped EA	1584
Original Item Description		Original Item Number	

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Melt Country of Origin : United States

Melting Date: 01/10/2023

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	V (%)	Nb (%)
0.46	1.02	0.011	0.051	0.21	0.13	0.11	0.04	0.29	0.004	0.001

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	69800	109700	13.0

Mechanical

	Average Deformation Height (IN)	Bend Test
(1)	0.044	Pass

Other Test Results

Weight Percent Variance (%) : -5.18

Tensile / Yield Ratio : 1.57

Comments:

ASTM A615/A615M-22 Grade 60, AASHTO M 31-22 Type S, Grade 60 (420)

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Bryden Morris, Chief Metallurgist



Mill Certification

02/23/2023

MTR#:1265675-5
Lot #:120204837460
W CEMETERY ROAD
PLYMOUTH, UT 84330 US
800 453-2886
Fax: 435 458-2309

Sold To: WHITE CAP CONSTRUCTION SUPPLY
PO BOX 4955
ORLANDO, FL 32802 US

Ship To: WHITE CAP DENVER RELOAD 914
C/O MOUNTAIN RELOAD LLC
1001 W 52ND AVE
ZONE 30 TRACK 119
DENVER, CO 80221 US

Customer PO	5876892	Sales Order #	12098945 - 6.1
Product Group	Rebar	Product #	2110230
Grade	A615 Gr 60/AASHTO M31	Lot #	120204837460
Size	#5	Heat #	1202048374
BOL #	BOL-1359488	Load #	1265675
Description	Rebar #5/16mm A615 Gr 60/AASHTO M31 40' 0" [480"] 4001-8000 lbs	Customer Part #	4355BAR60
Production Date	02/12/2023	Qty Shipped LBS	84112
Product Country Of Origin	United States	Qty Shipped EA	2016
Original Item Description		Original Item Number	

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Melt Country of Origin : United States

Melting Date: 01/10/2023

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	V (%)	Nb (%)
0.46	1.04	0.008	0.048	0.24	0.09	0.14	0.02	0.27	0.003	0.002

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	67300	105300	13.0

Mechanical

	Average Deformation Height (IN)	Bend Test
(1)	0.042	Pass

Other Test Results

Weight Percent Variance (%) : -5.47

Tensile / Yield Ratio : 1.57

Comments:

ASTM A615/A615M-22 Grade 60, AASHTO M 31-22 Type S, Grade 60 (420)

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Bryden Morris, Chief Metallurgist



Mill Certification

02/23/2023

MTR#:1265675-5
Lot #:120204837560
W CEMETERY ROAD
PLYMOUTH, UT 84330 US
800 453-2886
Fax: 435 458-2309

Sold To: WHITE CAP CONSTRUCTION SUPPLY
PO BOX 4955
ORLANDO, FL 32802 US

Ship To: WHITE CAP DENVER RELOAD 914
C/O MOUNTAIN RELOAD LLC
1001 W 52ND AVE
ZONE 30 TRACK 119
DENVER, CO 80221 US

Customer PO	5876892	Sales Order #	12098945 - 6.1
Product Group	Rebar	Product #	2110230
Grade	A615 Gr 60/AASHTO M31	Lot #	120204837560
Size	#5	Heat #	1202048375
BOL #	BOL-1359488	Load #	1265675
Description	Rebar #5/16mm A615 Gr 60/AASHTO M31 40' 0" [480"] 4001-8000 lbs	Customer Part #	4355BAR60
Production Date	02/12/2023	Qty Shipped LBS	12016
Product Country Of Origin	United States	Qty Shipped EA	288
Original Item Description		Original Item Number	

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Melt Country of Origin : United States

Melting Date: 01/10/2023

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	V (%)	Nb (%)
0.43	1.06	0.012	0.052	0.19	0.08	0.20	0.02	0.30	0.003	0.002

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	62300	105200	14.0

Mechanical

	Average Deformation Height (IN)	Bend Test
(1)	0.042	Pass

Other Test Results

Weight Percent Variance (%) : -5.18

Tensile / Yield Ratio : 1.69

Comments:

ASTM A615/A615M-22 Grade 60, AASHTO M 31-22 Type S, Grade 60 (420)

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Bryden Morris, Chief Metallurgist



Mill Certification

02/23/2023

MTR#:1265675-5
Lot #:120204837760
W CEMETERY ROAD
PLYMOUTH, UT 84330 US
800 453-2886
Fax: 435 458-2309

Sold To: WHITE CAP CONSTRUCTION SUPPLY
PO BOX 4955
ORLANDO, FL 32802 US

Ship To: WHITE CAP DENVER RELOAD 914
C/O MOUNTAIN RELOAD LLC
1001 W 52ND AVE
ZONE 30 TRACK 119
DENVER, CO 80221 US

Customer PO	5876892	Sales Order #	12098945 - 6.1
Product Group	Rebar	Product #	2110230
Grade	A615 Gr 60/AASHTO M31	Lot #	120204837760
Size	#5	Heat #	1202048377
BOL #	BOL-1359488	Load #	1265675
Description	Rebar #5/16mm A615 Gr 60/AASHTO M31 40' 0" [480"] 4001-8000 lbs	Customer Part #	4355BAR60
Production Date	02/12/2023	Qty Shipped LBS	6008
Product Country Of Origin	United States	Qty Shipped EA	144
Original Item Description		Original Item Number	

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Melt Country of Origin : United States

Melting Date: 01/10/2023

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	V (%)	Nb (%)
0.44	1.03	0.018	0.055	0.26	0.13	0.16	0.04	0.29	0.004	0.001

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	69300	108700	13.0

Mechanical

	Average Deformation Height (IN)	Bend Test
(1)	0.042	Pass

Other Test Results

Weight Percent Variance (%) : -4.51

Tensile / Yield Ratio : 1.57

Comments:

ASTM A615/A615M-22 Grade 60, AASHTO M 31-22 Type S, Grade 60 (420)

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Material and Mill Certification are in full compliance with the American Iron and Steel requirement as mandated in EPA's State Revolving Fund Programs and complies with the Buy America Act, and (FTA) Buy America Requirements (49 C.F.R. part 661 & 23 CFR part 635.410).)

Bryden Morris, Chief Metallurgist



Mill Certification

10/20/2022

MTR#:1155786-3
Lot #:120104463361
W CEMETERY ROAD
PLYMOUTH, UT 84330 US
800 453-2886
Fax: 435 458-2309

Sold To: WHITE CAP CONSTRUCTION SUPPLY
PO BOX 4955
ORLANDO, FL 32802 US

Ship To: WHITE CAP - GRAND JUNCTION
2382 LELAND AVE
GRAND JUNCTION, CO 81505 US

Customer PO	5596972	Sales Order #	12092680 - 1.1
Product Group	Rebar	Product #	2110199
Grade	A615 Gr 60/AASHTO M31	Lot #	120104463361
Size	#4	Heat #	1201044633
BOL #	BOL-1263198	Load #	1155786
Description	Rebar #4/13mm A615 Gr 60/AASHTO M31 40' 0" [480"] 4001-8000 lbs	Customer Part #	4354BAR60
Production Date	08/06/2022	Qty Shipped LBS	11756
Product Country Of Origin	United States	Qty Shipped EA	440
Original Item Description		Original Item Number	

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Melt Country of Origin : United States

Melting Date: 08/05/2022

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	V (%)	Nb (%)
0.43	1.07	0.016	0.042	0.24	0.09	0.18	0.02	0.33	0.003	0.001

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	71600	111200	11.0

Mechanical

	Average Deformation Height (IN)	Bend Test
(1)	0.030	Pass

Other Test Results

Weight Percent Variance (%) : -4.19

Tensile / Yield Ratio : 1.55

Comments:

ASTM A615/A615M-22 Grade 60, AASHTO M 31-22 Type S, Grade 60 (420)

Nucor Steel Utah is in compliance with and certified to: ISO 9001:2015, ISO 14001:2015, ABS Quality Assurance Program & AASHTO's NTPEP Reinforcing Steel and Wire (REBAR) Technical Committee Work Plan.

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Bryden Morris, Chief Metallurgist



Mill Certification

10/20/2022

MTR#:1155786-3
Lot #:120104519660
W CEMETERY ROAD
PLYMOUTH, UT 84330 US
800 453-2886
Fax: 435 458-2309

Sold To: WHITE CAP CONSTRUCTION SUPPLY
PO BOX 4955
ORLANDO, FL 32802 US

Ship To: WHITE CAP - GRAND JUNCTION
2382 LELAND AVE
GRAND JUNCTION, CO 81505 US

Customer PO	5596972	Sales Order #	12092680 - 1.1
Product Group	Rebar	Product #	2110199
Grade	A615 Gr 60/AASHTO M31	Lot #	120104519660
Size	#4	Heat #	1201045196
BOL #	BOL-1263198	Load #	1155786
Description	Rebar #4/13mm A615 Gr 60/AASHTO M31 40' 0" [480"] 4001-8000 lbs	Customer Part #	4354BAR60
Production Date	09/20/2022	Qty Shipped LBS	23512
Product Country Of Origin	United States	Qty Shipped EA	880
Original Item Description		Original Item Number	

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Melt Country of Origin : United States

Melting Date: 08/26/2022

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	V (%)	Nb (%)
0.42	1.00	0.014	0.022	0.21	0.09	0.20	0.02	0.26	0.003	0.001

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	71000	110200	14.0

Mechanical

	Average Deformation Height (IN)	Bend Test
(1)	0.029	Pass

Other Test Results

Weight Percent Variance (%) : -3.44

Tensile / Yield Ratio : 1.55

Comments:

ASTM A615/A615M-22 Grade 60, AASHTO M 31-22 Type S, Grade 60 (420)

Nucor Steel Utah is in compliance with and certified to: ISO 9001:2015, ISO 14001:2015, ABS Quality Assurance Program & AASHTO's NTPEP Reinforcing Steel and Wire (REBAR) Technical Committee Work Plan.

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Bryden Morris, Chief Metallurgist



Mill Certification

10/20/2022

MTR#:1155786-3
Lot #:120204443061
W CEMETERY ROAD
PLYMOUTH, UT 84330 US
800 453-2886
Fax: 435 458-2309

Sold To: WHITE CAP CONSTRUCTION SUPPLY
PO BOX 4955
ORLANDO, FL 32802 US

Ship To: WHITE CAP - GRAND JUNCTION
2382 LELAND AVE
GRAND JUNCTION, CO 81505 US

Customer PO	5596972	Sales Order #	12092680 - 1.1
Product Group	Rebar	Product #	2110199
Grade	A615 Gr 60/AASHTO M31	Lot #	120204443061
Size	#4	Heat #	1202044430
BOL #	BOL-1263198	Load #	1155786
Description	Rebar #4/13mm A615 Gr 60/AASHTO M31 40' 0" [480"] 4001-8000 lbs	Customer Part #	4354BAR60
Production Date	08/06/2022	Qty Shipped LBS	11756
Product Country Of Origin	United States	Qty Shipped EA	440
Original Item Description		Original Item Number	

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Melt Country of Origin : United States

Melting Date: 08/05/2022

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	V (%)	Nb (%)
0.44	1.00	0.020	0.047	0.19	0.09	0.20	0.02	0.30	0.004	0.001

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	72000	112100	13.0

Mechanical

	Average Deformation Height (IN)	Bend Test
(1)	0.032	Pass

Other Test Results

Weight Percent Variance (%) : -3.89

Tensile / Yield Ratio : 1.56

Comments:

ASTM A615/A615M-22 Grade 60, AASHTO M 31-22 Type S, Grade 60 (420)

Nucor Steel Utah is in compliance with and certified to: ISO 9001:2015, ISO 14001:2015, ABS Quality Assurance Program & AASHTO's NTPEP Reinforcing Steel and Wire (REBAR) Technical Committee Work Plan.

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Material and Mill Certification are in full compliance with the American Iron and Steel requirement as mandated in EPA's State Revolving Fund Programs and complies with the Buy America Act, and (FTA) Buy America Requirements (49 C.F.R. part 661 & 23 CFR part 635.410).)

Bryden Morris, Chief Metallurgist



Mill Certification

12/20/2022

MTR#:1213078-3
Lot #:120104793161
W CEMETERY ROAD
PLYMOUTH, UT 84330 US
800 453-2886
Fax: 435 458-2309

Sold To: WHITE CAP CONSTRUCTION SUPPLY
PO BOX 4955
ORLANDO, FL 32802 US

Ship To: WHITE CAP DENVER RELOAD 914
C/O MOUNTAIN RELOAD LLC
1001 W 52ND AVE
ZONE 30 TRACK 119
DENVER, CO 80221 US

Customer PO	5744588	Sales Order #	12095490 - 5.1
Product Group	Rebar	Product #	2110295
Grade	A615 Gr 60/AASHTO M31	Lot #	120104793161
Size	#7	Heat #	1201047931
BOL #	BOL-1310066	Load #	1213078
Description	Rebar #7/22mm A615 Gr 60/AASHTO M31 40' 0" [480"] 2001-6000 lbs	Customer Part #	4357BAR60
Production Date	12/18/2022	Qty Shipped LBS	100079
Product Country Of Origin	United States	Qty Shipped EA	1224
Original Item Description		Original Item Number	

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Melt Country of Origin : United States

Melting Date: 12/10/2022

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	V (%)	Nb (%)
0.46	1.05	0.016	0.055	0.21	0.11	0.18	0.02	0.32	0.003	0.002

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	65500	105400	14.0

Mechanical

	Average Deformation Height (IN)	Bend Test
(1)	0.051	Pass

Other Test Results

Weight Percent Variance (%) : -3.03

Tensile / Yield Ratio : 1.61

Comments:

ASTM A615/A615M-22 Grade 60, AASHTO M 31-22 Type S, Grade 60 (420)

Nucor Steel Utah is in compliance with and certified to: ISO 9001:2015, ISO 14001:2015, ABS Quality Assurance Program & AASHTO's NTPEP Reinforcing Steel and Wire (REBAR) Technical Committee Work Plan.

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Material meets the requirements of the purchase order and have been produced under the Nucor Steel Utah Quality Manual. Mill Certificate complies with DIN EN 10204 – 3.1.

Material and Mill Certification are in full compliance with the American Iron and Steel requirement as mandated in EPA's State Revolving Fund Programs and complies with the Buy America Act, and (FTA) Buy America Requirements (49 C.F.R. part 661 & 23 CFR part 635.410).)

Bryden Morris, Chief Metallurgist



Mill Certification

12/20/2022

MTR#:1213078-3
Lot #:120104792760
W CEMETERY ROAD
PLYMOUTH, UT 84330 US
800 453-2886
Fax: 435 458-2309

Sold To: WHITE CAP CONSTRUCTION SUPPLY
PO BOX 4955
ORLANDO, FL 32802 US

Ship To: WHITE CAP DENVER RELOAD 914
C/O MOUNTAIN RELOAD LLC
1001 W 52ND AVE
ZONE 30 TRACK 119
DENVER, CO 80221 US

Customer PO	5744588	Sales Order #	12095490 - 6.1
Product Group	Rebar	Product #	2110305
Grade	A615 Gr 60/AASHTO M31	Lot #	120104792760
Size	#7	Heat #	1201047927
BOL #	BOL-1310066	Load #	1213078
Description	Rebar #7/22mm A615 Gr 60/AASHTO M31 60' 0" [720"] 6001-10000 lbs	Customer Part #	4357BAR60
Production Date	12/18/2022	Qty Shipped LBS	31396
Product Country Of Origin	United States	Qty Shipped EA	256
Original Item Description		Original Item Number	

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Melt Country of Origin : United States

Melting Date: 12/10/2022

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	V (%)	Nb (%)
0.44	1.03	0.012	0.049	0.20	0.10	0.17	0.03	0.26	0.004	0.002

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	62800	102700	15.0

Mechanical

	Average Deformation Height (IN)	Bend Test
(1)	0.049	Pass

Other Test Results

Weight Percent Variance (%) : -5.97

Tensile / Yield Ratio : 1.64

Comments:

ASTM A615/A615M-22 Grade 60, AASHTO M 31-22 Type S, Grade 60 (420)

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Bryden Morris, Chief Metallurgist

Sold To: WHITE CAP CONSTRUCTION SUPPLY
 PO BOX 4955
 ORLANDO, FL 32802 US

Ship To: WHITE CAP DENVER RELOAD 914
 C/O MOUNTAIN RELOAD LLC
 1001 W 52ND AVE
 ZONE 30 TRACK 119
 DENVER, CO 80221 US

Customer PO	5744588	Sales Order #	12095490 - 6.1
Product Group	Rebar	Product #	2110305
Grade	A615 Gr 60/AASHTO M31	Lot #	120104792860
Size	#7	Heat #	1201047928
BOL #	BOL-1310066	Load #	1213078
Description	Rebar #7/22mm A615 Gr 60/AASHTO M31 60' 0" [720"] 6001-10000 lbs	Customer Part #	4357BAR60
Production Date	12/18/2022	Qty Shipped LBS	70641
Product Country Of Origin	United States	Qty Shipped EA	576
Original Item Description		Original Item Number	

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Melt Country of Origin : United States

Melting Date: 12/10/2022

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	V (%)	Nb (%)
0.46	1.03	0.010	0.053	0.20	0.08	0.14	0.02	0.31	0.003	0.002

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	60900	101500	15.0

Mechanical

	Average Deformation Height (IN)	Bend Test
(1)	0.048	Pass

Other Test Results

Weight Percent Variance (%) : -5.09

Tensile / Yield Ratio : 1.67

Comments:

ASTM A615/A615M-22 Grade 60, AASHTO M 31-22 Type S, Grade 60 (420)

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Bryden Morris, Chief Metallurgist



Mill Certification

12/20/2022

MTR#:1213075-3
Lot #:120104791921
W CEMETERY ROAD
PLYMOUTH, UT 84330 US
800 453-2886
Fax: 435 458-2309

Sold To: WHITE CAP CONSTRUCTION SUPPLY
PO BOX 4955
ORLANDO, FL 32802 US

Ship To: WHITE CAP DENVER RELOAD 914
C/O MOUNTAIN RELOAD LLC
1001 W 52ND AVE
ZONE 30 TRACK 119
DENVER, CO 80221 US

Customer PO	5744558	Sales Order #	12095490 - 1.1
Product Group	Rebar	Product #	2110264
Grade	A615 Gr 60/AASHTO M31	Lot #	120104791921
Size	#6	Heat #	1201047919
BOL #	BOL-1310064	Load #	1213075
Description	Rebar #6/19mm A615 Gr 60/AASHTO M31 40' 0" [480"] 6001-10000 lbs	Customer Part #	4356BAR60
Production Date	12/16/2022	Qty Shipped LBS	77984
Product Country Of Origin	United States	Qty Shipped EA	1298
Original Item Description		Original Item Number	

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Melt Country of Origin : United States

Melting Date: 12/10/2022

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	V (%)	Nb (%)	Sn (%)
0.47	1.01	0.005	0.062	0.22	0.09	0.11	0.02	0.34	0.003	0.002	0.008

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	64300	105100	14.0

Mechanical

	Average Deformation Height (IN)	Bend Test
(1)	0.052	Pass

Other Test Results

Weight Percent Variance (%) : -5.46

Tensile / Yield Ratio : 1.64

Comments:

ASTM A615/A615M-22 Grade 60, AASHTO M 31-22 Type S, Grade 60 (420)

Nucor Steel Utah is in compliance with and certified to: ISO 9001:2015, ISO 14001:2015, ABS Quality Assurance Program & AASHTO's NTPEP Reinforcing Steel and Wire (REBAR) Technical Committee Work Plan.

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Bryden Morris, Chief Metallurgist



Mill Certification

12/20/2022

MTR#:1213075-3
Lot #:120204759921
W CEMETERY ROAD
PLYMOUTH, UT 84330 US
800 453-2886
Fax: 435 458-2309

Sold To: WHITE CAP CONSTRUCTION SUPPLY
PO BOX 4955
ORLANDO, FL 32802 US

Ship To: WHITE CAP DENVER RELOAD 914
C/O MOUNTAIN RELOAD LLC
1001 W 52ND AVE
ZONE 30 TRACK 119
DENVER, CO 80221 US

Customer PO	5744558	Sales Order #	12095490 - 1.1
Product Group	Rebar	Product #	2110264
Grade	A615 Gr 60/AASHTO M31	Lot #	120204759921
Size	#6	Heat #	1202047599
BOL #	BOL-1310064	Load #	1213075
Description	Rebar #6/19mm A615 Gr 60/AASHTO M31 40' 0" [480"] 6001-10000 lbs	Customer Part #	4356BAR60
Production Date	12/16/2022	Qty Shipped LBS	66088
Product Country Of Origin	United States	Qty Shipped EA	1100
Original Item Description		Original Item Number	

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Melt Country of Origin : United States

Melting Date: 12/10/2022

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	V (%)	Nb (%)	Sn (%)
0.47	1.06	0.010	0.049	0.21	0.08	0.14	0.02	0.27	0.004	0.002	0.009

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	66800	105800	16.0

Mechanical

	Average Deformation Height (IN)	Bend Test
(1)	0.053	Pass

Other Test Results

Weight Percent Variance (%) : -4.79

Tensile / Yield Ratio : 1.58

Comments:

ASTM A615/A615M-22 Grade 60, AASHTO M 31-22 Type S, Grade 60 (420)

Nucor Steel Utah is in compliance with and certified to: ISO 9001:2015, ISO 14001:2015, ABS Quality Assurance Program & AASHTO's NTPEP Reinforcing Steel and Wire (REBAR) Technical Committee Work Plan.

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Bryden Morris, Chief Metallurgist



Mill Certification

12/20/2022

MTR#:1213075-3
Lot #:120204760021
W CEMETERY ROAD
PLYMOUTH, UT 84330 US
800 453-2886
Fax: 435 458-2309

Sold To: WHITE CAP CONSTRUCTION SUPPLY
PO BOX 4955
ORLANDO, FL 32802 US

Ship To: WHITE CAP DENVER RELOAD 914
C/O MOUNTAIN RELOAD LLC
1001 W 52ND AVE
ZONE 30 TRACK 119
DENVER, CO 80221 US

Customer PO	5744558	Sales Order #	12095490 - 1.1
Product Group	Rebar	Product #	2110264
Grade	A615 Gr 60/AASHTO M31	Lot #	120204760021
Size	#6	Heat #	1202047600
BOL #	BOL-1310064	Load #	1213075
Description	Rebar #6/19mm A615 Gr 60/AASHTO M31 40' 0" [480"] 6001-10000 lbs	Customer Part #	4356BAR60
Production Date	12/16/2022	Qty Shipped LBS	59900
Product Country Of Origin	United States	Qty Shipped EA	997
Original Item Description		Original Item Number	

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Melt Country of Origin : United States

Melting Date: 12/10/2022

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	V (%)	Nb (%)	Sn (%)
0.46	1.07	0.010	0.042	0.19	0.08	0.15	0.02	0.28	0.004	0.002	0.009

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	65800	105900	17.0

Mechanical

	Average Deformation Height (IN)	Bend Test
(1)	0.051	Pass

Other Test Results

Weight Percent Variance (%) : -5.39

Tensile / Yield Ratio : 1.61

Comments:

ASTM A615/A615M-22 Grade 60, AASHTO M 31-22 Type S, Grade 60 (420)

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Bryden Morris, Chief Metallurgist



Mill Certification

02/23/2023

MTR#:1265675-5
Lot #:120104872860
W CEMETERY ROAD
PLYMOUTH, UT 84330 US
800 453-2886
Fax: 435 458-2309

Sold To: WHITE CAP CONSTRUCTION SUPPLY
PO BOX 4955
ORLANDO, FL 32802 US

Ship To: WHITE CAP DENVER RELOAD 914
C/O MOUNTAIN RELOAD LLC
1001 W 52ND AVE
ZONE 30 TRACK 119
DENVER, CO 80221 US

Customer PO	5876892	Sales Order #	12098945 - 6.1
Product Group	Rebar	Product #	2110230
Grade	A615 Gr 60/AASHTO M31	Lot #	120104872860
Size	#5	Heat #	1201048728
BOL #	BOL-1359488	Load #	1265675
Description	Rebar #5/16mm A615 Gr 60/AASHTO M31 40' 0" [480"] 4001-8000 lbs	Customer Part #	4355BAR60
Production Date	02/12/2023	Qty Shipped LBS	36048
Product Country Of Origin	United States	Qty Shipped EA	864
Original Item Description		Original Item Number	

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Melt Country of Origin : United States

Melting Date: 01/10/2023

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	V (%)	Nb (%)
0.44	1.08	0.009	0.055	0.22	0.08	0.14	0.02	0.27	0.002	0.002

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	66600	107200	14.0

Mechanical

	Average Deformation Height (IN)	Bend Test
(1)	0.043	Pass

Other Test Results

Weight Percent Variance (%) : -5.66

Tensile / Yield Ratio : 1.61

Comments:

ASTM A615/A615M-22 Grade 60, AASHTO M 31-22 Type S, Grade 60 (420)

Nucor Steel Utah is in compliance with and certified to: ISO 9001:2015, ISO 14001:2015, ABS Quality Assurance Program & AASHTO's NTPEP Reinforcing Steel and Wire (REBAR) Technical Committee Work Plan.

All manufacturing processes of the steel materials in this product, including melting, casting and hot rolling have occurred within the United States. Mercury not intentionally added at any point during manufacture or testing of this product. This material is free of HG contamination and is ROHS compliant. No weld repair was performed.

Material meets the requirements of the purchase order and have been produced under the Nucor Steel Utah Quality Manual. Mill Certificate complies with DIN EN 10204 – 3.1.

Material and Mill Certification are in full compliance with the American Iron and Steel requirement as mandated in EPA's State Revolving Fund Programs and complies with the Buy America Act, and (FTA) Buy America Requirements (49 C.F.R. part 661 & 23 CFR part 635.410).)

Bryden Morris, Chief Metallurgist



Mill Certification

02/23/2023

MTR#:1265675-5
Lot #:120104873060
W CEMETERY ROAD
PLYMOUTH, UT 84330 US
800 453-2886
Fax: 435 458-2309

Sold To: WHITE CAP CONSTRUCTION SUPPLY
PO BOX 4955
ORLANDO, FL 32802 US

Ship To: WHITE CAP DENVER RELOAD 914
C/O MOUNTAIN RELOAD LLC
1001 W 52ND AVE
ZONE 30 TRACK 119
DENVER, CO 80221 US

Customer PO	5876892	Sales Order #	12098945 - 6.1
Product Group	Rebar	Product #	2110230
Grade	A615 Gr 60/AASHTO M31	Lot #	120104873060
Size	#5	Heat #	1201048730
BOL #	BOL-1359488	Load #	1265675
Description	Rebar #5/16mm A615 Gr 60/AASHTO M31 40' 0" [480"] 4001-8000 lbs	Customer Part #	4355BAR60
Production Date	02/12/2023	Qty Shipped LBS	66088
Product Country Of Origin	United States	Qty Shipped EA	1584
Original Item Description		Original Item Number	

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Melt Country of Origin : United States

Melting Date: 01/10/2023

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	V (%)	Nb (%)
0.46	1.02	0.011	0.051	0.21	0.13	0.11	0.04	0.29	0.004	0.001

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	69800	109700	13.0

Mechanical

	Average Deformation Height (IN)	Bend Test
(1)	0.044	Pass

Other Test Results

Weight Percent Variance (%) : -5.18

Tensile / Yield Ratio : 1.57

Comments:

ASTM A615/A615M-22 Grade 60, AASHTO M 31-22 Type S, Grade 60 (420)

Nucor Steel Utah is in compliance with and certified to: ISO 9001:2015, ISO 14001:2015, ABS Quality Assurance Program & AASHTO's NTPEP Reinforcing Steel and Wire (REBAR) Technical Committee Work Plan.

All manufacturing processes of the steel materials in this product, including melting, casting and hot rolling have occurred within the United States. Mercury not intentionally added at any point during manufacture or testing of this product. This material is free of HG contamination and is ROHS compliant. No weld repair was performed.

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Material and Mill Certification are in full compliance with the American Iron and Steel requirement as mandated in EPA's State Revolving Fund Programs and complies with the Buy America Act, and (FTA) Buy America Requirements (49 C.F.R. part 661 & 23 CFR part 635.410).)

Bryden Morris, Chief Metallurgist



Mill Certification

02/23/2023

MTR#:1265675-5
Lot #:120204837460
W CEMETERY ROAD
PLYMOUTH, UT 84330 US
800 453-2886
Fax: 435 458-2309

Sold To: WHITE CAP CONSTRUCTION SUPPLY
PO BOX 4955
ORLANDO, FL 32802 US

Ship To: WHITE CAP DENVER RELOAD 914
C/O MOUNTAIN RELOAD LLC
1001 W 52ND AVE
ZONE 30 TRACK 119
DENVER, CO 80221 US

Customer PO	5876892	Sales Order #	12098945 - 6.1
Product Group	Rebar	Product #	2110230
Grade	A615 Gr 60/AASHTO M31	Lot #	120204837460
Size	#5	Heat #	1202048374
BOL #	BOL-1359488	Load #	1265675
Description	Rebar #5/16mm A615 Gr 60/AASHTO M31 40' 0" [480"] 4001-8000 lbs	Customer Part #	4355BAR60
Production Date	02/12/2023	Qty Shipped LBS	84112
Product Country Of Origin	United States	Qty Shipped EA	2016
Original Item Description		Original Item Number	

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Melt Country of Origin : United States

Melting Date: 01/10/2023

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	V (%)	Nb (%)
0.46	1.04	0.008	0.048	0.24	0.09	0.14	0.02	0.27	0.003	0.002

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	67300	105300	13.0

Mechanical

	Average Deformation Height (IN)	Bend Test
(1)	0.042	Pass

Other Test Results

Weight Percent Variance (%) : -5.47

Tensile / Yield Ratio : 1.57

Comments:

ASTM A615/A615M-22 Grade 60, AASHTO M 31-22 Type S, Grade 60 (420)

Nucor Steel Utah is in compliance with and certified to: ISO 9001:2015, ISO 14001:2015, ABS Quality Assurance Program & AASHTO's NTPEP Reinforcing Steel and Wire (REBAR) Technical Committee Work Plan.

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Material and Mill Certification are in full compliance with the American Iron and Steel requirement as mandated in EPA's State Revolving Fund Programs and complies with the Buy America Act, and (FTA) Buy America Requirements (49 C.F.R. part 661 & 23 CFR part 635.410).)

Bryden Morris, Chief Metallurgist



Mill Certification

02/23/2023

MTR#:1265675-5
Lot #:120204837560
W CEMETERY ROAD
PLYMOUTH, UT 84330 US
800 453-2886
Fax: 435 458-2309

Sold To: WHITE CAP CONSTRUCTION SUPPLY
PO BOX 4955
ORLANDO, FL 32802 US

Ship To: WHITE CAP DENVER RELOAD 914
C/O MOUNTAIN RELOAD LLC
1001 W 52ND AVE
ZONE 30 TRACK 119
DENVER, CO 80221 US

Customer PO	5876892	Sales Order #	12098945 - 6.1
Product Group	Rebar	Product #	2110230
Grade	A615 Gr 60/AASHTO M31	Lot #	120204837560
Size	#5	Heat #	1202048375
BOL #	BOL-1359488	Load #	1265675
Description	Rebar #5/16mm A615 Gr 60/AASHTO M31 40' 0" [480"] 4001-8000 lbs	Customer Part #	4355BAR60
Production Date	02/12/2023	Qty Shipped LBS	12016
Product Country Of Origin	United States	Qty Shipped EA	288
Original Item Description		Original Item Number	

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Melt Country of Origin : United States

Melting Date: 01/10/2023

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	V (%)	Nb (%)
0.43	1.06	0.012	0.052	0.19	0.08	0.20	0.02	0.30	0.003	0.002

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	62300	105200	14.0

Mechanical

	Average Deformation Height (IN)	Bend Test
(1)	0.042	Pass

Other Test Results

Weight Percent Variance (%) : -5.18

Tensile / Yield Ratio : 1.69

Comments:

ASTM A615/A615M-22 Grade 60, AASHTO M 31-22 Type S, Grade 60 (420)

Nucor Steel Utah is in compliance with and certified to: ISO 9001:2015, ISO 14001:2015, ABS Quality Assurance Program & AASHTO's NTPEP Reinforcing Steel and Wire (REBAR) Technical Committee Work Plan.

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Bryden Morris, Chief Metallurgist



Mill Certification

02/23/2023

MTR#:1265675-5
Lot #:120204837760
W CEMETERY ROAD
PLYMOUTH, UT 84330 US
800 453-2886
Fax: 435 458-2309

Sold To: WHITE CAP CONSTRUCTION SUPPLY
PO BOX 4955
ORLANDO, FL 32802 US

Ship To: WHITE CAP DENVER RELOAD 914
C/O MOUNTAIN RELOAD LLC
1001 W 52ND AVE
ZONE 30 TRACK 119
DENVER, CO 80221 US

Customer PO	5876892	Sales Order #	12098945 - 6.1
Product Group	Rebar	Product #	2110230
Grade	A615 Gr 60/AASHTO M31	Lot #	120204837760
Size	#5	Heat #	1202048377
BOL #	BOL-1359488	Load #	1265675
Description	Rebar #5/16mm A615 Gr 60/AASHTO M31 40' 0" [480"] 4001-8000 lbs	Customer Part #	4355BAR60
Production Date	02/12/2023	Qty Shipped LBS	6008
Product Country Of Origin	United States	Qty Shipped EA	144
Original Item Description		Original Item Number	

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Melt Country of Origin : United States

Melting Date: 01/10/2023

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	V (%)	Nb (%)
0.44	1.03	0.018	0.055	0.26	0.13	0.16	0.04	0.29	0.004	0.001

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	69300	108700	13.0

Mechanical

	Average Deformation Height (IN)	Bend Test
(1)	0.042	Pass

Other Test Results

Weight Percent Variance (%) : -4.51

Tensile / Yield Ratio : 1.57

Comments:

ASTM A615/A615M-22 Grade 60, AASHTO M 31-22 Type S, Grade 60 (420)

Nucor Steel Utah is in compliance with and certified to: ISO 9001:2015, ISO 14001:2015, ABS Quality Assurance Program & AASHTO's NTPEP Reinforcing Steel and Wire (REBAR) Technical Committee Work Plan.

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Bryden Morris, Chief Metallurgist



Mill Certification

10/20/2022

MTR#:1155786-3
Lot #:120104463361
W CEMETERY ROAD
PLYMOUTH, UT 84330 US
800 453-2886
Fax: 435 458-2309

Sold To: WHITE CAP CONSTRUCTION SUPPLY
PO BOX 4955
ORLANDO, FL 32802 US

Ship To: WHITE CAP - GRAND JUNCTION
2382 LELAND AVE
GRAND JUNCTION, CO 81505 US

Customer PO	5596972	Sales Order #	12092680 - 1.1
Product Group	Rebar	Product #	2110199
Grade	A615 Gr 60/AASHTO M31	Lot #	120104463361
Size	#4	Heat #	1201044633
BOL #	BOL-1263198	Load #	1155786
Description	Rebar #4/13mm A615 Gr 60/AASHTO M31 40' 0" [480"] 4001-8000 lbs	Customer Part #	4354BAR60
Production Date	08/06/2022	Qty Shipped LBS	11756
Product Country Of Origin	United States	Qty Shipped EA	440
Original Item Description		Original Item Number	

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Melt Country of Origin : United States

Melting Date: 08/05/2022

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	V (%)	Nb (%)
0.43	1.07	0.016	0.042	0.24	0.09	0.18	0.02	0.33	0.003	0.001

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	71600	111200	11.0

Mechanical

	Average Deformation Height (IN)	Bend Test
(1)	0.030	Pass

Other Test Results

Weight Percent Variance (%) : -4.19

Tensile / Yield Ratio : 1.55

Comments:

ASTM A615/A615M-22 Grade 60, AASHTO M 31-22 Type S, Grade 60 (420)

Nucor Steel Utah is in compliance with and certified to: ISO 9001:2015, ISO 14001:2015, ABS Quality Assurance Program & AASHTO's NTPEP Reinforcing Steel and Wire (REBAR) Technical Committee Work Plan.

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Bryden Morris, Chief Metallurgist



Mill Certification

10/20/2022

MTR#:1155786-3
Lot #:120104519660
W CEMETERY ROAD
PLYMOUTH, UT 84330 US
800 453-2886
Fax: 435 458-2309

Sold To: WHITE CAP CONSTRUCTION SUPPLY
PO BOX 4955
ORLANDO, FL 32802 US

Ship To: WHITE CAP - GRAND JUNCTION
2382 LELAND AVE
GRAND JUNCTION, CO 81505 US

Customer PO	5596972	Sales Order #	12092680 - 1.1
Product Group	Rebar	Product #	2110199
Grade	A615 Gr 60/AASHTO M31	Lot #	120104519660
Size	#4	Heat #	1201045196
BOL #	BOL-1263198	Load #	1155786
Description	Rebar #4/13mm A615 Gr 60/AASHTO M31 40' 0" [480"] 4001-8000 lbs	Customer Part #	4354BAR60
Production Date	09/20/2022	Qty Shipped LBS	23512
Product Country Of Origin	United States	Qty Shipped EA	880
Original Item Description		Original Item Number	

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Melt Country of Origin : United States

Melting Date: 08/26/2022

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	V (%)	Nb (%)
0.42	1.00	0.014	0.022	0.21	0.09	0.20	0.02	0.26	0.003	0.001

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	71000	110200	14.0

Mechanical

	Average Deformation Height (IN)	Bend Test
(1)	0.029	Pass

Other Test Results

Weight Percent Variance (%) : -3.44

Tensile / Yield Ratio : 1.55

Comments:

ASTM A615/A615M-22 Grade 60, AASHTO M 31-22 Type S, Grade 60 (420)

Nucor Steel Utah is in compliance with and certified to: ISO 9001:2015, ISO 14001:2015, ABS Quality Assurance Program & AASHTO's NTPEP Reinforcing Steel and Wire (REBAR) Technical Committee Work Plan.

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Bryden Morris, Chief Metallurgist



Mill Certification

10/20/2022

MTR#:1155786-3
Lot #:120204443061
W CEMETERY ROAD
PLYMOUTH, UT 84330 US
800 453-2886
Fax: 435 458-2309

Sold To: WHITE CAP CONSTRUCTION SUPPLY
PO BOX 4955
ORLANDO, FL 32802 US

Ship To: WHITE CAP - GRAND JUNCTION
2382 LELAND AVE
GRAND JUNCTION, CO 81505 US

Customer PO	5596972	Sales Order #	12092680 - 1.1
Product Group	Rebar	Product #	2110199
Grade	A615 Gr 60/AASHTO M31	Lot #	120204443061
Size	#4	Heat #	1202044430
BOL #	BOL-1263198	Load #	1155786
Description	Rebar #4/13mm A615 Gr 60/AASHTO M31 40' 0" [480"] 4001-8000 lbs	Customer Part #	4354BAR60
Production Date	08/06/2022	Qty Shipped LBS	11756
Product Country Of Origin	United States	Qty Shipped EA	440
Original Item Description		Original Item Number	

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Melt Country of Origin : United States

Melting Date: 08/05/2022

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	V (%)	Nb (%)
0.44	1.00	0.020	0.047	0.19	0.09	0.20	0.02	0.30	0.004	0.001

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	72000	112100	13.0

Mechanical

	Average Deformation Height (IN)	Bend Test
(1)	0.032	Pass

Other Test Results

Weight Percent Variance (%) : -3.89

Tensile / Yield Ratio : 1.56

Comments:

ASTM A615/A615M-22 Grade 60, AASHTO M 31-22 Type S, Grade 60 (420)

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Bryden Morris, Chief Metallurgist



Mill Certification

12/20/2022

MTR#:1213078-3
Lot #:120104793161
W CEMETERY ROAD
PLYMOUTH, UT 84330 US
800 453-2886
Fax: 435 458-2309

Sold To: WHITE CAP CONSTRUCTION SUPPLY
PO BOX 4955
ORLANDO, FL 32802 US

Ship To: WHITE CAP DENVER RELOAD 914
C/O MOUNTAIN RELOAD LLC
1001 W 52ND AVE
ZONE 30 TRACK 119
DENVER, CO 80221 US

Customer PO	5744588	Sales Order #	12095490 - 5.1
Product Group	Rebar	Product #	2110295
Grade	A615 Gr 60/AASHTO M31	Lot #	120104793161
Size	#7	Heat #	1201047931
BOL #	BOL-1310066	Load #	1213078
Description	Rebar #7/22mm A615 Gr 60/AASHTO M31 40' 0" [480"] 2001-6000 lbs	Customer Part #	4357BAR60
Production Date	12/18/2022	Qty Shipped LBS	100079
Product Country Of Origin	United States	Qty Shipped EA	1224
Original Item Description		Original Item Number	

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Melt Country of Origin : United States

Melting Date: 12/10/2022

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	V (%)	Nb (%)
0.46	1.05	0.016	0.055	0.21	0.11	0.18	0.02	0.32	0.003	0.002

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	65500	105400	14.0

Mechanical

	Average Deformation Height (IN)	Bend Test
(1)	0.051	Pass

Other Test Results

Weight Percent Variance (%) : -3.03

Tensile / Yield Ratio : 1.61

Comments:

ASTM A615/A615M-22 Grade 60, AASHTO M 31-22 Type S, Grade 60 (420)

Nucor Steel Utah is in compliance with and certified to: ISO 9001:2015, ISO 14001:2015, ABS Quality Assurance Program & AASHTO's NTPEP Reinforcing Steel and Wire (REBAR) Technical Committee Work Plan.

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Bryden Morris, Chief Metallurgist



Mill Certification

12/20/2022

MTR#:1213078-3
Lot #:120104792760
W CEMETERY ROAD
PLYMOUTH, UT 84330 US
800 453-2886
Fax: 435 458-2309

Sold To: WHITE CAP CONSTRUCTION SUPPLY
PO BOX 4955
ORLANDO, FL 32802 US

Ship To: WHITE CAP DENVER RELOAD 914
C/O MOUNTAIN RELOAD LLC
1001 W 52ND AVE
ZONE 30 TRACK 119
DENVER, CO 80221 US

Customer PO	5744588	Sales Order #	12095490 - 6.1
Product Group	Rebar	Product #	2110305
Grade	A615 Gr 60/AASHTO M31	Lot #	120104792760
Size	#7	Heat #	1201047927
BOL #	BOL-1310066	Load #	1213078
Description	Rebar #7/22mm A615 Gr 60/AASHTO M31 60' 0" [720"] 6001-10000 lbs	Customer Part #	4357BAR60
Production Date	12/18/2022	Qty Shipped LBS	31396
Product Country Of Origin	United States	Qty Shipped EA	256
Original Item Description		Original Item Number	

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Melt Country of Origin : United States

Melting Date: 12/10/2022

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	V (%)	Nb (%)
0.44	1.03	0.012	0.049	0.20	0.10	0.17	0.03	0.26	0.004	0.002

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	62800	102700	15.0

Mechanical

	Average Deformation Height (IN)	Bend Test
(1)	0.049	Pass

Other Test Results

Weight Percent Variance (%) : -5.97

Tensile / Yield Ratio : 1.64

Comments:

ASTM A615/A615M-22 Grade 60, AASHTO M 31-22 Type S, Grade 60 (420)

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Bryden Morris, Chief Metallurgist

Sold To: WHITE CAP CONSTRUCTION SUPPLY
 PO BOX 4955
 ORLANDO, FL 32802 US

Ship To: WHITE CAP DENVER RELOAD 914
 C/O MOUNTAIN RELOAD LLC
 1001 W 52ND AVE
 ZONE 30 TRACK 119
 DENVER, CO 80221 US

Customer PO	5744588	Sales Order #	12095490 - 6.1
Product Group	Rebar	Product #	2110305
Grade	A615 Gr 60/AASHTO M31	Lot #	120104792860
Size	#7	Heat #	1201047928
BOL #	BOL-1310066	Load #	1213078
Description	Rebar #7/22mm A615 Gr 60/AASHTO M31 60' 0" [720"] 6001-10000 lbs	Customer Part #	4357BAR60
Production Date	12/18/2022	Qty Shipped LBS	70641
Product Country Of Origin	United States	Qty Shipped EA	576
Original Item Description		Original Item Number	

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Melt Country of Origin : United States

Melting Date: 12/10/2022

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	V (%)	Nb (%)
0.46	1.03	0.010	0.053	0.20	0.08	0.14	0.02	0.31	0.003	0.002

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	60900	101500	15.0

Mechanical

	Average Deformation Height (IN)	Bend Test
(1)	0.048	Pass

Other Test Results

Weight Percent Variance (%) : -5.09

Tensile / Yield Ratio : 1.67

Comments:

ASTM A615/A615M-22 Grade 60, AASHTO M 31-22 Type S, Grade 60 (420)

Nucor Steel Utah is in compliance with and certified to: ISO 9001:2015, ISO 14001:2015, ABS Quality Assurance Program & AASHTO's NTPEP Reinforcing Steel and Wire (REBAR) Technical Committee Work Plan.

All manufacturing processes of the steel materials in this product, including melting, casting and hot rolling have occurred within the United States. Mercury not intentionally added at any point during manufacture or testing of this product. This material is free of HG contamination and is ROHS compliant. No weld repair was performed.

Material meets the requirements of the purchase order and have been produced under the Nucor Steel Utah Quality Manual. Mill Certificate complies with DIN EN 10204 – 3.1.

Material and Mill Certification are in full compliance with the American Iron and Steel requirement as mandated in EPA's State Revolving Fund Programs and complies with the Buy America Act, and (FTA) Buy America Requirements (49 C.F.R. part 661 & 23 CFR part 635.410).)



Bryden Morris, Chief Metallurgist