





#### NORSOK QUALIFICATION M 650 Ed. 04 ASTM A 479 / UNS S32760

52/A

# **OTR Qualification Test Record** NORSOK M-650

QTR. N° .:

52/A

Rev. N° .:

2

Manufacturer Name/address/ Web page:

Acciaierie Valbruna SpA Viale della scienza 25 36100 Vicenza Italy Phone +39 0444 968211

Norsok M 650 Ed. 4

Reference standard Material designation

ASTM A 479 UNS S32760

Norsok M-630 Rev.6 - MDS D 57 rev. 5

Manufacturing summary doc n°.:

and MDS n° .:

52/A

Rev. N° .:

Products and manufacturing process:

Forged bars from min. 130 mm up to 200 mm

Mandatory conditions and subcontractors:

Other information:

Heat treatment in furnace M1A and M3B which are identical.

Verification of heat treatment procedure done for furnaces M1A and M3B. Temperature Uniformity Survey regularly made

Qualification expires:

QTR valid until 06/2023

Tested and Qualified Thickness and Weight					
Product and manufacturing process:	Test record N°.	Tested thickness (mm)	Qualified thickness (mm)	Test piece weight (kg)	Qualified weight (kg)
Forging bars	V257MWU	200	200		

Qualification/Acceptance signature			
Manufacturer	Prepared by/Date:  Sanau So Denfut Alessandro Norberti 1/06/2018	Checked by/Date:  Roberto Bertelli 1/06/2018	

The manufacture and this QTR are evaluated and found to be in compliance with the requirements of NORSOK M-650 for supply of the above listed products and materials.

This acceptance does not exempt any purchaser from his responsibility to ensure that this qualification is valid for his products within the essential variables of NORSOK M-650.

Verify by third party (Company name/Signature/Date):

Qualified/Accepted by (Company name/Signature/Date):

SED NOTES REVIEWED

MEAU VERT ITALY



Qualification

expires:

Applicabile presso





#### NORSOK QUALIFICATION M 650 Ed. 04 ASTM A 479 / UNS S32760

53/A

	QTR Qualification Test Record	QTR. N°.: 53/A
	NORSOK M-650	Rev. N°.:
Manufacturer Name/address/ Web page:	Acciaierie Valbruna SpA Viale della scienza 25 36100 Vicenza Italy Phone +39 0444 968211	
Reference standard	Norsok M 650 Ed. 4	
Material designation and MDS n°.:	ASTM A 479 UNS S32760 Norsok M-630 Rev.6 - MDS D 57 re	
Manufacturing summary doc n°.:	53/A	Rev. N°.:
Products and manufacturing process:	Hot Rolled bars from min. 5.5 mm up to	170 mm
Mandatory conditions and sub- contractors:	Heat treatment in furnace M1A and M3B whic	h are identical.
Other information:	Verification of heat treatment procedure done for fu	rnaces M1A and M3B.

Tested and Qualified Thickness and Weight					
Product and manufacturing process:	Test record N°.	Tested thickness (mm)	Qualified thickness (mm)	Test piece weight (kg)	Qualified weight (kg)
Hot Rolled bars	V257MWU	170	170		

Temperature Uniformity Survey regularly made

QTR valid until 06/2023

	Qualificati	on/Acceptance signature
Manufacturer	Repared by Dates Alessandro Norberti	Checked by/Date: 706/2018 Roberto Bertelli 1/06/2018

The manufacture and this QTR are evaluated and found to be in compliance with the requirements of NORSOK M-650 for supply of the above listed products and materials.

This acceptance does not exempt any purchaser from his responsibility to ensure that this qualification is valid for his

Verify by third party (Company name/Signature/Date):  ITALY  WITNESSED NOTED REVIEWED  SURVEYOR ADE FRANCESCH  OATE 1 GILL JULE	Qualified/Accepted by (Campany name/Signature/Date): Hans Marth Jel, 06.06.2018
---	---







Stab. di VI e/o BZ

# NORSOK QUALIFICATION M 650 Ed. 04 ASTM A 479 / UNS S31254

54/A

	QTR	QTR. N°.:			
	Qualification Test Record	54/A			
	NORSOK M-650	Rev. N°.:			
Manufacturer	Acciaierie Valbruna SpA				
Name/address/ Web page:	Viale della scienza 25				
	36100 Vicenza Italy				
	Phone +39 0444 968211				
Reference standard	Norsok M 650 Ed. 4				
Material designation	ASTM A 479 UNS S31254				
and MDS n°.:	Norsok M-630 Rev.6 - MDS R17 r	ev. 5			
Manufacturing summary doc n*.:	54/A	Rev. N°.:			
Products and manufacturing process:	Hot Rolled bars from min. 5.5 mm up t	o 170 mm			
Mandatory conditions and sub- contractors:	Heat treatment in furnace M1A and M3B which are identical.				
Other information:	Verification of heat treatment procedure done for f Temperature Uniformity Survey regula				
Qualification expires:	QTR valid until 06/2023				

Tested and Qualified Thickness and Weight					
Product and manufacturing process:	Test record N*.	Tested thickness (mm)	Qualified thickness (mm)	Test piece weight (kg)	Qualified weight (kg)
Hot Rolled bars	V2018MN	170	170		

	Qualification/Acc	eptance signature
Manufacturer	Prepared by/Date:  Alessandro Norberti 1/06/2018	Checked by/Date:
	Alessandro Norberti 1/06/2018	Roberto Bertelli 1/06/2018

The manufacture and this QTR are evaluated and found to be in compliance with the requirements of NORSOK M-650 for supply of the above listed products and materials.

This acceptance does not exempt any purchaser from his responsibility to ensure that this qualification is valid for his products within the essential variables of NORSOK M-650.

Verify by third party (Company name/Signature/Date):	Qualified/Accepted by (Company name/Signature/Date):
ITALY  WHINEGOED NOTED REVIEWED  SURVEYOR A DEFRANCESCHI  DATE - 1 GIU. 2018	Hans Martin Jah , 06.06.2018







Stab. di VI e/o BZ

#### NORSOK QUALIFICATION M 650 Ed. 04 ASTM A 479 / UNS S31803

55/A

	QTR Qualification Test Record	QTR. N°.: 55/A			
	NORSOK M-650	Rev. N°.:			
Manufacturer	Acciaierie Valbruna SpA	1			
Name/address/ Web page:	Viale della scienza 25				
	36100 Vicenza Italy				
	Phone +39 0444 968211				
Reference standard	Norsok M 650 Ed. 4				
Material designation	ASTM A 479 UNS S31803				
and MDS n*.:	Norsok M-630 Rev.6 - MDS D 47				
Manufacturing		Rev. N°.:			
summary doc n°.:	55/A	1			
Products and manufacturing process:	Hot Rolled bars from min.5.5 mm up	to 170 mm			
Mandatory conditions and sub- contractors:	Heat treatment in furnace M1A and M3B which are identical.				
Other information:	Verification of heat treatment procedure done for	furnaces M1A and M3B.			
	Temperature Uniformity Survey regu	larly made			
Qualification expires:	QTR valid until 06/2023				

Tested and Qualified Thickness and Weight					
Product and manufacturing process:	Test record N°.	Tested thickness (mm)	Qualified thickness (mm)	Test piece weight (kg)	Qualified weight (kg)
Hot Rolled bars	V225MN	170	170		

		Qualification/Acce	stance signature
	Manufacturer	Prepared by/Date: Senaulo Antali Alessandro Norberti 1/06/2018	Checked by/Date:  Roberto Bertelli 1/06/2018
***			n compliance with the requirements of NORSOK M-650 for products and materials.
	This acceptance	does not exempt any purchaser from his res	ponsibility to ensure that this qualification is valid for his

products within the essential variables of NORSOK M-650.







Stab. di VI e/o BZ

# NORSOK QUALIFICATION M 650 Ed. 04 ASTM A 479 / UNS S31803

56/A

	QTR	QTR. N°.:			
	Qualification Test Record	56/A			
	NORSOK M-650	Rev. N°.:			
		1			
Manufacturer	Acciaierie Valbruna SpA				
Name/address/ Web page:	Viale della scienza 25				
Web page.	36100 Vicenza Italy				
	Phone +39 0444 968211				
Reference standard	Norsok M 650 Ed. 4				
Material designation	ASTM A 479 UNS S31803				
and MDS n°.:	Norsok M-630 Rev.6 - MDS D 47 rev. 5				
Manufacturing		Rev. N°.:			
summary doc n°.:	56/A	1			
Products and manufacturing process:	Forged bars from min.130mm up to 25	50 mm			
Mandatory conditions and sub- contractors:	Heat treatment in furnace M1A and M3B which are identical.				
Other information:	Verification of heat treatment procedure done for fu	rnaces M1A and M3B.			
	Temperature Uniformity Survey regular	ly made			
Qualification expires: QTR valid until 06/2023					

Tested and Qualified Thickness and Weight						
Product and manufacturing process:	Test record N°.	Tested thickness (mm)	Qualified thickness (mm)	Test piece weight (kg)	Qualified weight (kg)	
Forged bars	V225MN	250	250			

	Qualification/Acce	otance signature
Manufacturer	Prepared by/Date:  Aleanto Dotto  Alessandro Norberti 1/06/2018	Checked by/Date:  Roberto Bertelli 1/06/2018
The manufacture of		in compliance with the requirements of NORSOK M-650 for products and materials.
This acceptance	does not exempt any purchaser from his res	ponsibility to ensure that this qualification is valid for his ariables of NORSOK M-650.

Verify by third party (Company name/Signature/Date):  ITALY  VITNESSED NOTES REVIEWED  SURVEYOR DE FRANCESCHI	Qualified/Accepted by (Company name/Signature/Date):  Aurs Ma, H. Al., ob. ob. 2018
La Journe	







Stab. di VI e/o BZ

## NORSOK QUALIFICATION M 650 Ed. 04 ASTM A 479 / UNS S32750

57/A

	QTR "	QTR. N°.:			
	Qualification Test Record	57/A			
	NORSOK M-650	Rev. N°.:			
		0			
Manufacturer	Acciaierie Valbruna SpA				
Name/address/ Web page:	Viale della scienza 25				
	36100 Vicenza Italy				
	Phone +39 0444 968211				
Reference standard	Norsok M 650 Ed. 4				
Material designation	ASTM A 479 UNS S32750				
and MDS n°.:	Norsok M-630 Rev.6 - MDS D57 rev	7. 5			
Manufacturing		Rev. N°.:			
summary doc n°.:	57/A	0			
Products and manufacturing process:	Hot Rolled Bars from min.5.5 mm up to	165 mm			
Mandatory conditions and sub- contractors:	Heat treatment in furnace M1A and M3B which	n are identical.			
Other information:	Verification of heat treatment procedure done for fur Temperature Uniformity Survey regular				
Qualification expires:	QTR valid until 07/2024				

Tested and Qualified Thickness and Weight							
Product and Test record N°.  manufacturing process:		Tested thickness   Qualified thickness   (mm) (mm)		Test piece weight (kg)	Qualified weight (kg)		
Hot Rolled bars	V257M	165	165				

Qualification/Acceptance signature							
Manufacturer Prepared by/Date: Checked by/Date:  Marcello Rizzotto 25/07/2019 Roberto Bertelli 25/07/2							
	Marcello Rizzotto	25/07/2019	Roberto Bertelli	25/07/2019			
The manufacture a	The manufacture and this QTR are evaluated and found to be in compliance with the requirements of NORSOK M-650 for						
supply of the above listed products and materials.							
This acceptance	does not exempt any purch	aser from his resp	consibility to ensure that this qualif	fication is valid for his			

products within the essential variables of NORSOK M-650.

Verify L	by third	party	(Company	name/Signature/Date):	
				The state of the s	

Qualified/Accepted by (Company name/Signature/Date):

Hans Martin Jahren

Equinor ASA PO box 3 1330 FORNEBU NORWAY

BUREAU VERITAS

SURVEYOR A DE FRANCESCHI DATE 1 6 DIC 2019







## NORSOK QUALIFICATION M 650 Ed. 04 ASTM A 479 / UNS S32750

58/A

	QTR	QTR. N°.:				
	<b>Qualification Test Record</b>	58/A				
	NORSOK M-650	Rev. N°.:				
<b>V</b>		0				
Manufacturer	Acciaierie Valbruna SpA					
Name/address/ Web page:	Viale della scienza 25					
	36100 Vicenza Italy	36100 Vicenza Italy				
	Phone +39 0444 968211					
Reference standard	Norsok M 650 Ed. 4					
Material designation	ASTM A 479 UNS S32750					
and MDS n°.:	Norsok M-630 Rev.6 - MDS D57 rev. 5					
Manufacturing		Rev. N°.:				
summary doc n°.:	58/A	0				
Products and		<u> </u>				
manufacturing process:	Forged Bars from min. 100 mm up to 20	00 mm				
Mandatory conditions and sub- contractors:	Heat treatment in furnace M1A and M3B which	are identical.				
Other information:	Verification of heat treatment procedure done for fur	naces M1A and M3B.				
	Temperature Uniformity Survey regularly	y made				
Qualification expires:	QTR valid until 07/2024					

Tested and Qualified Thickness and Weight						
Product and manufacturing process:	Test record N°.	Tested thickness (mm)	Qualified thickness (mm)	Test piece weight (kg)	Qualified weight (kg)	
Forged bars	V257M	200	200			
As per manufacturing summary the samples for testing have been cut from the bars after heat treatment.						

Qualification/Acceptance signature								
Manufacturer	Manufacturer Prepared by/Date; Checked by/Date:							
1 Kint			Robert Bodelli					
	Marcello Rizzotto 25/07/2019 Roberto Bertelli 25/07/2019							
The manufacture an	The manufacture and this QTR are evaluated and found to be in compliance with the requirements of NORSOK M-650 for							
supply of the above listed products and materials.								
This acceptance d	oes not exempt any purch	aser from his resp	onsibility to ensure that this qua	lification is valid for his				

products within the essential variables of NORSOK M-650.

Verify by third party (Company name/Signature/Date):

Qualified/Accepted by (Company name/Signature/Date):

Hans Martin Jahren

Equinor ASA PO box 3 1330 FORNEBU NORWAY

