



TEST CERTIFICATE

This document complies with EN 10204 3.1

PROC 7.8 - REC-1, REV NO. 09

DATE APPROVED : 11-02-2025



Veer Steel Mills (Pty) Ltd

Registration Nr. 2011/102089/07

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CUSTOMER NAME	RMS (JOHANNESBURG)	CERTIFICATE NR.	VSM/2025/10713
CONTACT DETAILS	navins@rms-sa.co.za	CERTIFICATE DATE	07/07/2025
CUSTOMER ORDER NUMBER	JHB25-205	TEST DATE	07/06/2025
PRODUCT DESCRIPTION	Rebar 10mmx12m Long	SAP ORDER NR.	
CAST/HEAT NR.	25/07/06/200	SPECIFICATION & CONDITION	BS 4449: B500B #AS ROLLED

CHEMICAL ANALYSIS (AS PER: ASTM E 415)

Specification	C%	Si%	Mn%	S%	P%	Cr%	Ni%	Mo%	Cu%	V%	N%	B%	*CEV%
BS4449:2005+ A3:2016	0.24 max	-	-	0.055 max	0.055 max	-	-	-	0.85 max	-	0.014 max	-	0.52 max
Actual	0.228	0.297	0.696	0.033	0.022	0.198	0.069	0.013	0.129	0.006	0.003	0.0005	0.40

MECHANICAL PROPERTIES (AS PER: ISO 6892-1)

Specification	Yield Strength (Mpa)	Tensile Strength (Mpa)	Cross-sectional Area (mm ²)	Total Elongation at maximum force, Agt (%)	%Elongation	Ratio	*Bend	*Rebend
BS4449:2005+ A3:2016	485 -650	-	-	-	-	1.06 min	-	-
Actual 1	566.62	658.85	78.50	-	20.78	1.16	OK	OK
Actual 2	561.53	633.89	78.50	-	21.06	1.13	OK	OK
Actual 3	561.02	652.23	78.50	-	21.18	1.16	OK	OK

*GEOMETRIC PROPERTIES

Specification	Weight (g)	Length (mm)	Nominal Area (mm ²)	Transverse rib flank inclination (α)	Rib Spacing (c) mm	Rib Height (h) mm	Mass per meter Kg/m
BS4449:2005+ A3:2016			74.968 - 82.033	35-75	4.0 - 12.0	0.3 - 1.5	0.589 - 0.645
	285.00	471.00	77.08	63.00	8.00	0.62	0.61

REMARKS:



[Signature]

[Signature]

AGNES LEKEBA

ANDISWA BIYELA

Prepared by

Technical Signatory

The material supplied has been made using electric furnace(induction), continous casting, hot rolling processes and thermomechanically heat treated. Chemical and Tensile Testing. The results obtained relate only to the items tested and to the sample as received from the customer. *Test/s does not fall within our scope of SANAS accreditation. **Subcontracted test/s.