

MAHARASHTRA SEAMLESS LIMITED
WORKS (MILL) TEST CERTIFICATE

EN 10204 : 3.1

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QCIF-20

Customer: 42155 DL 04-MAR-22
 P.O. No. 15210145
 OC / Loading Slip No. 15210145
 Specification: API 5L GR 60K42 PSL-1 (2019) ASTM/ASME ASA 106 GR.B, ASME SA 53 GR.B (2019) ASTM A 53 GR.B 2020
 Process/Type of Pipe: Hot Finished Seamless Carbon Steel Pipes

OD X Wall Thick (Inch): 6.825 X 0.432
 Length Range (FEET): 20 to 20
 Total Length (FEET): 1280 (64 Pcs.)
 Material Code: 1280 (64 Pcs.)

Test Certificate No. MSL-7/OC/2703A/2021
 Date: 31-MAR-22

A) CHEMICAL COMPOSITION (%) - Reference standard ASTM A-751 & ASTM E-415

Req. No.	Heat No.	Test Unit/Analysis	C	Mn	Si	P	S	Cr	Mo	N	Cu	V	Nb	TI	Nb+V+TI	B	Ca	Al	N	AIN	Cu+Ni	CE	CE	CE	
1	AB586	Max	0.280	1.200	0.100	0.030	0.010	0.400	0.150	0.400	0.030	0.005	0.0015	0.0020	0.0075	0.0035	0.0005	0.0078	0.028	0.0077	4.55	0.0150	0.392	0.396	0.390
		Min	0.280	1.200	0.100	0.030	0.010	0.400	0.150	0.400	0.030	0.005	0.0015	0.0020	0.0075	0.0035	0.0005	0.0078	0.028	0.0077	4.55	0.0150	0.392	0.396	0.390

C) MECHANICAL PROPERTIES

Sl. No.	Heat No.	Test Unit	Quantity	Name of the Steel Material and address / Supplier Heat No.	Tensile Test (Location: Pipe Body)		Reference standard ASTM A 370 & E-9		Reference standard ASTM A370 & ASTM E-23		Reference standard ASTM E-18									
					Yield (Pa)	UTS (Pa)	Yield (Pa)	UTS (Pa)	Yield (Pa)	UTS (Pa)	Yield (Pa)	UTS (Pa)								
1	AB586	FEET	64	JSW Ispat Special Products Ltd. Mumbai, Chaitanyam / M0059488	42100	60200	93	24	1	2	3	4	1	2	3	4	1	2	3	4
					93	24	1	2	3	4	1	2	3	4	1	2	3	4		

Raw Material	Full Yield & Fine Grain practice	Dimension	Good	NDE Method	NA	End Area Inspection	NA
Steel Route	EAF-LRF-VD-CGM	Weight	Good	Location & Orientation	NA	Hydro Test Pressure	3000 Psi
Hot Rolling Temp. C	800-980	End Finish	BEVEL	Type & Size of Ref Indicator	NA	Holding Time	Sec.
Heat Treatment	NA	Straightness	Good	Residual Magnetism	NA	End Protection	PLASTIC END CAP
Delivery Condition	R	Visual	Good	Field Workability	NA	External Coating	Varnish
Norm./Temp. Temp.	NA	Bend Test	NA	Flattening Test	OK	Flaring Test	NA
HIC	NA	SSC	NA	Micro Structure/Grain Size	Reveals fine Ferrite and pearlite / ASTM No. 7-8	CTOD	NA
Inclusion Rating	NA	Hot Straing. Temp. C	NA	Colour Coding	NA		

D) Marking/Stamping: MAHA MSL API 5L GR 60K42 PSL-1, ASTM/ASME ASA 106 GR.B, ASME SA 53 GR.B, BE SRL OD 6.825 INCH X WT 0.432 INCH X LENGTH IN FT SMLS HEAT NO. 3000 PSI + WEIGHT = 28.80 LB/FT + MADE IN INDIA + P.O. NO. 263438 + PIPE NO. + B. NO.

E) Remarks: Material conforms to NACE MR-0175MR-0109 restricted to Sulphur contents 0.01% & Hardness 22 HRC max. Country of Melt and Pour : INDIA

Legend: T-Transverse, L-Longitudinal, YST- Yield Strength, UTS-Ultimate Tensile Strength, El-Elongation, GL-Gauge length, H-Heat, P1-Product1, P2-Product2, R- As Rolled, Q-Quenched & Tempered, N- Normalised, NT-Normalised & tempered, NA -Not Applicable.

The Material has been manufactured, sampled, tested and inspected and has been found conforming to the specification and P.O. All the specifications refer in this certificate for all of latest edition.

FOR MAHARASHTRA SEAMLESS LIMITED
R.K. Shrivastava
Asst. Engineer (QC)

Warning: Modification or unauthorised use of this certification is strictly prohibited. Violation calls for criminal prosecution. For authenticity verification, you can contact at: mslc@mahaseam.com

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