

Sl. No.	Parameters	Description as per Specification		
1	Specification	EN 10297 Gr.16MnCr5		
2	Size	OD 42.0 X WT 2.0 MM		
3	Application	EN 10297 Gr.16MnCr5 - Standard Specification of Seamless Pipe for mechanical and general engineering purposes.		
4	Process of Manufacture	Cold drawn seamless		
5	Specification Grade	EN 10297 Gr.16MnCr5	Lalbaba Offer	
6	Mechanical Test	Yst in Mpa	As Observed	300-350
		UTS in Mpa	As Observed	380-420
		E%	As Observed	35%
		Hardness	207 BHN Max	OK
		Bend test	Applicable	OK
		Flattening	Applicable	OK
		Flaring	Applicable	OK
		Impact	As per customer requirement	As observed
7	Chemical Composition	%C	0.14-0.19	0.17-0.19
		%Mn	1.0-1.30	1.10-1.30
		%Si	0.40 max	0.15-0.40
		%p	0.035 max	0.025 max
		%S	0.02-0.04	0.02-0.03
		%Cr	0.80-1.10	0.8-1.10
		%Cu	-	0.004-0.007
		%Mo	-	0.0001-0.004
		%Ni	-	0.006-0.009
		%V	-	-
		Others	-	-
8	NDT	ECT	Applicable as per specification EN 10246-3.	Applicable as per specification EN 10246-3.
		UT	Applicable as per specification EN 10246-7.	Applicable as per specification EN 10246-7.
9	Hydrostatic Test	70 bar pressure minimum 5Sec holding time	70 bar pressure minimum 5Sec holding time	
10	Dimension Tolerance (mm)	OD	OD ±1% or ± 0.5 mm whichever is the greater	OK
		WT / ID	WT ± 12.5% or ± 0.4 mm whichever is the greater	OK
11	Heat Treatments Condition	As Drawn / Annealing / Normalizing / SR	Annealed	
12	Surface Condition	-	Scale free smooth black	
13	End Condition	Plain end	Plain end	
14	Straightness	Reasonably staright	0.8 : 1000 MM	
15	Ovality	-	0.3 mm Max	
16	Eccentricity	-	5% Max	
17	Stencil Marking	LALBABA/LOGO/EN 10297 Gr.16MnCr5 / OD 42.0 X WT 2.0 MM / MADE IN INDIA		
18	Coating	Rust preventive coating	Rust Preventive Oil	

Reach Us At

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