

Sl. No.	Parameters	Description as per Specification			
1	Specification	A519 SAE 1040 /DIN 17204 CK40			
2	Size	OD 82.00 X WT 6.25 MM			
3	Application	A519 SAE 1040 - Standard Specification for seamless Pipe DIN 17204 CK40 - Seamless circular steel tubes.			
4	Process of Manufacture	Cold drawn seamless			
5	Specification Grade	A519 SAE 1040	DIN 17204 CK40	Lalbaba Offer	
6	Mechanical test	Yst in Mpa	483 min	350 min	500 min
		UTS in Mpa	552 min	640-760	650-720
		E%	8 min	8 min	12 min
		Hardness	85 HRB min	Not Applicable	85 HRB min
		Bend test	Not Applicable	Not Applicable	Not Applicable
		Flattening	Not Applicable	Not Applicable	Not Applicable
		Flarring	Not Applicable	Not Applicable	Not Applicable
		Impact	As per customer Requirement	As per customer Requirement	OK
7	Chemical composition	%C	0.37 -0.44	0.42-0.50	0.38-0.40
		%Mn	0.60 -0.90	0.50-0.80	0.65-0.85
		%Si	-	0.40 Max	0.210-0.230
		%P	0.040 Max	0.035 Max	0.040 Max
		%S	0.050 Max	0.04 Max	0.050 Max
		%Cr	-	0.40 Max	0.005-0.010
		%Cu	-	-	0.005-0.006
		%Mo	-	0.10 Max	0.005-0.008
		%Ni	-	-	0.002-0.006
		%V	-	-	0.001-0.004
		Others	-	-	-
8	NDT	ECT	Applicable as per specification ASME E309	Applicable as per specification ISO 10893-2	As per specification with minimum 0.8 mm drill hole
		UT	Applicable as per specification ASME E213	Applicable as per specification ISO 10893-10	As per specification with minimum 0.3 mm notch depth
9	Hydrostatic Test	Not Specified	Not specified	Not Required	
10	Dimension Tolerance (mm)	OD	OD (+0.23/-0.00)	OD (+0.30/-0.30)	OD (+0.23/-0.00)
		WT / ID	ID (+0.00/-0.23)	ID (+0.30/-0.30)	ID (+0.00/-0.23)
11	Heat Treatments Condition	Strss Relieve	Strss Relieve	Strss Relieve	
12	Surface condition	-	-	Scale & defect free smooth black surface	
13	End Condition	Plain end	Plain end	OK	
14	Straightness	Reasonably staright	Reasonably staright	0.8 : 1000 MM	
15	Ovality	-	-	0.3 mm Max	
16	Eccentricity	-	-	5% Max	
17	Stencil Marking	LALBABA/LOGO/ A519 SAE 1040 /DIN 17204 CK40 / OD 82.0 X WT 6.25 MM / MADE IN INDIA			
18	Coating	Bare/Rust preventive coating/Clear Varnish		Bare/Oiling/Clear Varnish	

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