



# THL TUBE & PIPE INDUSTRIES LLC

P.O. BOX 49695, DIP, DUBAI - UAE

TEL: 009714-8848221, FAX: 009714-8848229

## MILL TEST CERTIFICATE

EN 10204 Type3.1

CONSIGNEE	DSS STEEL L.L.C., P.O.BOX 5993, DUBAI (U.A.E)	Certificate No:THL/QC/2022/4604
SPECIFICATION & GRADE:	EN 10219-1:2006 & EN 10219-2:2019, S275J0H, (ERW COLD FORMED WELDED STRUCTURAL HOLLOW SECTIONS)	Date: 28.09.2022
S.C.No.	TTP-22-23-SO-1098008	A08

ITEM No.	Type of Pipe End	NUMBER OF PIECES	PRODUCT DIMENSIONS(mm)/M	CAST / HEAT No	TENSILE TEST				IMPACT /HARDNESS TESTS					STEEL MAKING PROCESS:	
					C01 C02 C10	YIELD <sup>C11</sup> STRESS R <sub>0</sub> = (N/mm <sup>2</sup> )	TENSILE <sup>C12</sup> STRENGTH R <sub>m</sub> = (N/mm <sup>2</sup> )	C13 ELONG A 5.65 (%)	C01 C02	C40 C30 TEST TYPE	C41 WIDTH(mm)	C03 TEMP (°C)	C42 C31 VALUES (J)	C43 C32 AVE, (J)	C70 BASIC OXYGEN STEEL, FULLY KILLED
1	BPE	256	SHST 40X40X3.00X6.00	219032-3	BLS	340	461	33	--	--	--	--	--	--	Weld seam tested by NDT Eddy Current Test as per BS EN ISO 10893-2. Visual and dimensional found satisfactory

C71-C92 ANALYSIS %		C	Si	Mn	P	S	Cr	Mo	Ni	Al	B	Cu	N	Nb	Sn	Ti	V	CEV
Heat No	Product	0.141	0.012	0.845	0.013	0.005	--	--	--	--	--	--	0.003	--	--	--	--	0.28
219032-3																		

### Legend :

- 1) L=Ladle analysis , P= Product analysis.
- 2)  $CE=C+Mn/6+(Cr+Mo+V)/5+(Ni+Cu)/15$
- 3) L=Longitudinal, T=Transverse,B= Body, KV=Charpy V, HAZ=Heat Affected Zone,S=Strip section,F=Full section,
- 4) YS = Yield Strength (0.5% proof strength) , TS = Tensile Strength, El = Elongation
- 5) BPE= Black Plain End Square Cut, BPEB= Black Plain End Beveled
- 6) SHST/RHST/CHST=Square/Rectangular/Circular Hollow Sections Tube
- 7) Intended Use: Cold formed steel hollow sections for building and civil engineering.

We hereby certify that the material ERW Hollow section tube has been manufactured and inspected according to European Standard EN 10219-1&2 and found satisfactory.

