

ORIGINAL



**INSPECTION CERTIFICATE**  
(EN 10204-3.1)  
**ARAHA DAGANG SDN. BHD.**

(202899-M)

No. 10, Jalan Jasmine 3, SEK B810, Bandar Bukit Beruntung, 48300 Selangor Darul Ehsan, Malaysia.  
Tel: 603-40281883, 60281886, 60281893 Fax: 603-40282963

Purchaser : DODDSON GLOBAL, INC.  
Order No : 255066-00 HOUSTON, TX  
Starting Material : SEAMLESS PIPE

Certificate No : AD/07/20/8188L  
Date : 17/07/2020

No	Manufacturing No. (Heat ID No.)	Raw Material Heat No	Article & Size	Heat Treatment (*)	Quantity	Specification for Inspection	ASME B16.9 - 2012 NAACE MR-01-75-03
1	UF150H	19301767	10" L.R. 90 STD ELL WPB	A	330	Specification for Material	ASTM A234/A234M-07/ASME SA-234/SA-234M-08 (WPB)
2	UF2447	WG190100163	18" L.R. 90 STD ELL WPB	A	70	Appearance (Visual)	Satisfactory
3	UN425K	42046H	20" L.R. 90 STD ELL WPB	A	65	Dimension	Satisfactory
4	VR703K	41025H	24" L.R. 90 STD ELL WPB	A	62	Certification	Certified acc. to PED 97/23/EC
5	VR704K	39158H	24" L.R. 90 STD ELL WPB	A	26	Note : INVOICE NO	AD/EX/1820/20
6	BN81	19328338	4" L.R. 45 STD ELL WPB	A	132		
7	BN82	19212872	4" L.R. 45 STD ELL WPB	A	368		
8	BN482	WMNS11807179QX	12" L.R. 45 STD ELL WPB	A	40		
9	BDD88A	19308007	16" L.R. 45 STD ELL WPB	A	16		
10	CK87	WB021809107	2" L.R. 90 XH ELL WPB	A	1000		

Specification	Chemical Composition											Tension Test (20°C)			Hardness (HB)	Pipe Maker	(*) Steel Making Process
	C	SI	Mn	P	S	Cu	Ni	Cr	Mo	V	NB	Yield Strength	Tensile strength	Elongation %			
Min	x100	x100	x100	x1000	x1000	x100	x100	x100	x100	x100	x100	35,000	60,000	30			
Max	30		106	50	58							95,000					
Heat No.																	
1	19301767	18	22	41	17	6.5	4.3	<1	7.8	<1	<1	45600	70500	40.6	146-149	HENGYANG	Y
2	WG190100163	14	22	130	8	6	7	3	6	1	1	56000	77000	36.6	159-163	JINGJIANG	Y
3	42046H	20	25	55	14	4	2	3	7	<1	2	43300	66100	35.4	137-140	BAOSTEEL	Y
4	41025H	19	24	54	12	9	1	1	1	<1	<1	58100	74600	35.6	152-158	BAOSTEEL	Y
5	39158H	20	26	57	14	3	1	1	2	<1	<1	48300	69600	35	143-146	BAOSTEEL	Y
6	19328338	13	15	74	8	3	3	2	7	2	<1	42200	81400	40	167-170	BAOSTEEL	Y
7	19212872	17	24	40	17	6.2	4.6	1.4	9.8	2.7	<1	59100	80300	40	167-170	HENGYANG	Y
8	WMNS11807179QX	11	23	125	11	3	2	2	6	<1	<1	54100	73100	35.6	149-152	JINGJIANG	Y
9	19308007	17	23	68	10	9.6	6.8	2.1	5.2	1.6	<1	45000	66000	37	137-140	HENGYANG	Y
10	WB021809107	20.3	21.5	39.4	15	11	<1	<1	1.6	<1	<1	57900	75200	34.4	156-159	WED	Y

(\*) A) Hot Forming operation : at a temperature between 690°C - 980°C and cooled in still air  
B) Cold Forming operation : Normalizing at a temperature between 850°C - 910°C and cooled in still air.  
Y = Basic oxygen process  
E = Electric furnace  
We hereby certify that the product described herein has been manufactured in accordance with the specification concerned and also with the purchaser's requirement and the result of all examination and test are acceptable.



Factory Manager