

ORIGINAL



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

(202899-M)

No.10, Jalan Jasmine 3, SEK BB10, Bandar Bukit Beruntung, 48300 Selangor Darul Ehsan, Malaysia.
Tel : 603-60281863, 60281866, 60281833 Fax : 603-60282863

Purchaser : DODSON GLOBAL, INC.
Order No : 264253-00 HOUSTON, TX
Starting Material : SEAMLESS PIPE
Country Of Origin : MALAYSIA

Certificate No : AD/10/20/8202L
Date : 13/10/2020

No	Manufacturing No. (Heat ID No.)	Raw Material Heat No	Article & Size	Heat Treatment (*)	Quantity	Specification for Inspection	ASME B16.9 - 2012
1	B52	WB021804237	1.1/2" L.R. 45 STD ELL WPB	A	250	Specification for Material	NACE MR-01-75-03
2	BH50	WB031803538	2" L.R. 45 STD ELL WPB	A	950	Appearance (Visual)	ASTM A234/A234M-07/ASME SA-234/SA-234M-08 (WPB)
3	B47H	317587	3.1/2" L.R. 45 STD ELL WPB	A	10	Dimension	Satisfactory
4	BM352	19301437	8" L.R. 45 STD ELL WPB	A	44	Certification	Certified acc. to PED 97/23/EC
5	BM353	19328887	8" L.R. 45 STD ELL WPB	A	456	Note : INVOICE NO	ADVEX/1822/20
6	BL5220	42619H	14" L.R. 45 STD ELL WPB	A	25		
7	CS6	20601-41	1.1/4" L.R. 90 XH ELL WPB	A	93		
8	CS7	WB021804237	1.1/4" L.R. 90 XH ELL WPB	A	257		
9	C37	WB021804237	1.1/2" L.R. 90 XH ELL WPB	A	25		
10	CK101	WB021809107	2" L.R. 90 XH ELL WPB	A	1550		

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					
	x100	x100	x100	x1000	x1000	x100	x100	x100	x100	x100	x100	P.S.I [MPA]		%					
Min		10	29									35,000	60,000	30					
Max	30		106	50	58								95,000		197 HB MAX				
Heat No.																			
1	WB021804237	20	20	39	18	13	1	<1	2.1	<1	<1	<1	L	49100	88200	30.4	183-187	WEIERDA	Y
2	WB031803538	19.5	23.7	38.3	22	13	1	<1	1.5	<1	<1	<1	L	43800	81500	34	167-170	WED	Y
3	317587	13	14	73	7	4	5	3	4	2	0	0	L	61100	79800	39.2	163-167	BAOSTEEL	Y
4	19301437	18	20	41	22	6.6	6.9	2.2	7.9	1	<1	<1	L	45900	70500	35.4	146-149	HENGYANG	Y
5	19328887	13	15	75	8	2	2	2	5	2	<1	<1	L	49400	71200	38	146-149	BAOSTEEL	Y
6	42619H	20	25	55	11	5	1	3	5	<1	<1	1	L	53000	76800	37	156-159	BAOSTEEL	Y
7	20601-41	20	25	48	19	19	3	1	4	0	0	0	L	62000	82100	38	170-174	BAOSTEEL	Y
8	WB021804237	20	20	39	18	13	1	<1	2.1	<1	<1	<1	L	63000	83900	40	170-174	WED	Y
9	WB021804237	20	20	39	18	13	1	<1	2.1	<1	<1	<1	L	38300	85300	37.2	174-179	WEIFANG WEIERDA	Y
10	WB021809107	20.3	21.5	39.4	15	11	<1	<1	1.6	<1	<1	<1	L	57900	75200	34.4	156-159	WED	Y

(*) Hot Forming operation : at a temperature between 690°C ~ 980°C and cooled in still air.
S) Cold Forming operation : Normalizing at a temperature between 850°C ~ 910°C and cooled in still air.
Y = Basic oxygen process L = Longitudinal
E = Electric furnace T = Transverse

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.



[Signature]
Factory Manager