



NINGJIN APC INDUSTRIES CO., LTD.

No.18 Taishan Road, Ningjin County, Shandong Province, P.R. China

INSPECTION CERTIFICATE

CERTIFICATE NO. ARITA-2021-001-M

PO NO. ZPO-2112-0013 (Gear Box) - b/i

Product: Wafer Type Butterfly Valve - body: D/I, Disc: D/I @ EPDM, stem Bushing PTFE

Item.	Qty.(Pcs)	Type/Dimension	Test pressure				Result Valve test (PSI)
			Seat test (PSI)	Duration: (Seconds)	Shell test (PSI)	Duration: (Seconds)	
1.	30	300PSI DN50	600	60	600	60	OK
2.	15	300PSI DN65	600	60	600	60	OK
3.	30	300PSI DN80	600	60	600	60	OK
4.	30	300PSI DN100	600	60	600	60	OK
5.	15	300PSI DN150	600	60	600	60	OK
6.	10	300PSI DN200	600	60	600	60	OK



 NING JIN
 MARKING INDUSTRIES
 Place, Date
 CO., LTD.
 2022.04.08

It is hereby certified that the products in this certificate has been manufacturer and tested with the terms of the order contract.



NINGJIN APC INDUSTRIES CO., LTD.

No.18 Taishan Road, Ningjin County, Shandong Province, P.R. China

INSPECTION CERTIFICATE

CERTIFICATE NO. ARITA-2021-001-M

P-order-No.ZPO-2112-0013

PRODUCT: Body of Wafer Type Butterfly Valve

Performing Standard: EN10204/3.1

Item.	Qty.(Pcs)	Type/Dimension	Heat	Specimen
1.	30	DN50	210712 210512 211002	ASTM A536(65-45-12)
2.	15	DN65	210421 200305	ASTM A536(65-45-12)
3.	30	DN80	211112 210608 210612 210218 210502 210504 210512	ASTM A536(65-45-12)
4.	30	DN100	210412 210915 210907 210611 210912 210607 210615 210612	ASTM A536(65-45-12)
5.	15	DN150	211011 210915 210911 210811 211215	ASTM A536(65-45-12)
6.	10	DN200	210815 210821 211115 211120	ASTM A536(65-45-12)

RESULTS:

CHEMICAL COMPOSITION:

Heat	C 3.4-3.9	Si 2.4-2.9	Mn ≤0.4	P ≤0.08	S ≤0.02	Cr	Ni	Mo
210712	3.65	2.78	0.26	0.052	0.017			
210512	3.69	2.72	0.21	0.057	0.015			
211002	3.75	2.71	0.23	0.058	0.013			
210421	3.73	2.69	0.21	0.062	0.017			
200305	3.78	2.8	0.24	0.051	0.016			
211112	3.69	2.73	0.23	0.053	0.017			
210608	3.72	2.74	0.24	0.062	0.012			
210612	3.76	2.65	0.34	0.058	0.012			
210218	3.71	2.73	0.21	0.053	0.016			
210502	3.67	2.73	0.25	0.052	0.015			
210504	3.63	2.71	0.24	0.064	0.017			
210512	3.69	2.72	0.21	0.057	0.015			
210412	3.68	2.73	0.25	0.053	0.016			
210915	3.69	2.63	0.36	0.048	0.012			
210907	3.62	2.79	0.38	0.057	0.011			
210611	3.73	2.72	0.24	0.062	0.018			
210912	3.72	2.74	0.29	0.064	0.012			
210607	3.70	2.71	0.24	0.063	0.017			
210615	3.63	2.75	0.33	0.064	0.015			
210612	3.76	2.65	0.34	0.058	0.012			
211011	3.78	2.72	0.22	0.058	0.013			
210915	3.69	2.63	0.36	0.048	0.012			
210911	3.76	2.65	0.34	0.058	0.012			
210811	3.78	2.73	0.24	0.063	0.016			
211215	3.75	2.73	0.24	0.056	0.012			
210815	3.68	2.73	0.27	0.062	0.017			



NINGJIN APC INDUSTRIES CO., LTD.

No.18 Taishan Road, Ningjin County, Shandong Province, P.R. China

INSPECTION CERTIFICATE

CERTIFICATE NO. ARITA-2021-001-M

210821	3.73	2.72	0.31	0.062	0.012				
211115	3.69	2.63	0.36	0.048	0.012				
211120	3.62	2.72	0.33	0.058	0.014				

MECHANICAL PROPERTIES:

<i>Heat</i>	<i>0,2%-Pr.-Str.</i> <i>N/mm²</i> <i>≥310</i>	<i>Tensile-Str.</i> <i>N/mm²</i> <i>≥448</i>	<i>Elongation</i> <i>A5 %</i> <i>≥12</i>	<i>Hardness</i> <i>HB 30</i> <i>≤179</i>
210712	359	491	16	169
210512	346	463	17.5	176
211002	361	456	18.1	175
210421	341	471	17.2	173
200305	365	471	16.1	168
211112	360	458	18.2	179
210608	338	476	18.3	172
210612	334	458	18.2	171
210218	337	465	17.6	171
210502	341	473	17.5	169
210504	345	460	18	176
210512	346	463	17.5	176
210412	345	474	16.6	170
210915	328	457	17.2	175
210907	325	467	18.1	173
210611	342	459	18.1	176
210912	330	470	17.9	168
210607	360	462	18.3	178
210615	334	470	18.2	167
210612	334	458	18.2	171
211011	337	460	18.2	178
210915	328	457	17.2	175
210911	334	458	18.2	171
210811	335	465	18.1	168
211215	335	465	18.3	176
210815	337	460	18.1	176
210821	332	456	18.2	173
211115	328	457	17.2	175
211120	325	460	18.2	170

MARKING:
 Place, Date
 2022.04.08

NING JIN
 APC INDUSTRIES
 CO., LTD.

It is hereby certified that the products in this certificate has been manufacturer and tested with the terms of the order contract.