

Foshan Kaiya Aluminum Co.,Ltd

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CERTIFICATE OF ANALYSIS

DATE : 30 JANUARY 2024

CUSTOMER :

NAME OF GOODS : ALUMINIUM PROFILE

Grey Powder Coating Aluminium profile

Black Powder Coating Aluminium profile

Matt Scrub Natural Anodized Aluminium profile

AS PER PROFORMA INVOICE NO.20171220

TOTAL QUANTITY : 3298 PCS. / 10178.4 KGS NET / 10190KGS GROSS

INVOICE NO. : 20180130

LC NUMBER : 1201L523340 DATED 180122

HS CODE : 760421

COUNTRY OF ORIGIN : CHINA

ORIGINAL PHYSICAL PROPERTIES

Test Items		Unit	Requirement	Conclusion
Profile Size	Angular Deviation	°	±1.0	0
	Plane clearance	mm	not over 0.15	0.06
	Bending degree	mm	The length of any 300mm is not over than 0.3	0.1
	Twist degree	mm	The length of 1m is not over than 1.2	0.24
	Port tangent slope	°	≥2°	<0.1
Chemical Analysis	Si	%	0.2-0.6	0.36
	Mg	%	0.45-0.9	0.56
	Fe	%	≤0.35	0.26
	Cu	%	≤0.01	0.02
	Mn	%	≤0.01	0.02
	Zn	%	≤0.01	0.02
	Cr	%	≤0.01	0.02
	Ti	%	≤0.01	0.02
Al	%	Remainder	98.696	
Film property	HV		≥58	72
	HW		≥8	11
	Tensile strength	N/mm ²	≥160	210
	(Non-proportionsl) Stretching stress	N/mm ²	≥110	198
	Elongation A50mm	%	≥8	12
	Impact Test		No crack or removal Small wrinkles are allowed around the concave part	Qualified
	Average film thickness	um	coat≥40	55
	Adhesion	Grate	0	0
	Wear resistance	L/um	After falling sand test, the wear coefficient is equal ≥0.6	0.88
The boiling water resistance		After boiling water test, the visual surface coating should be free of peeling and wrinkling,but it is allowed to be visible to the naked eye, and the very small bubbles that are extremely dispersed exsist, but allow a slight change in color and luster.	Qualified	

	Salt tolerance of acidic		After the hydrochloric acid test, the surface of the coating after visual inspection should not have bubble and other obvious changes.	Qualified
Remark	Test Comment Passed			
Tested by				
Checked by 罗文斌				