

H Y S		Specification of flat bars NEW JERSEY STEEL BARON, LLC	HYS-52808	1/2
Original	Dec. 9,2022		Rev. 0	
Revised	-		HITACHI Hitachi Metals, Ltd.	

1. Scope

Customer : NEW JERSEY STEEL BARON, LLC
 Steel Grade : Aogami 1
 : Shirogami 1

2. Chemical Composition

Chemical composition by the ladle analysis shall conform to the Table 1.

Table 1 Chemical Composition (mass%)

Grade	C	Si	Mn	P	S	Cr	W
Aogami 1	1.25 ~1.35	0.10 ~0.20	0.20 ~0.30	Max 0.025	Max 0.004	0.30 ~0.50	1.50 ~2.00
Shirogami 1	1.25 ~1.35	0.10 ~0.20	0.20 ~0.30	Max 0.025	Max 0.004	—	—

3. Delivery Condition

Delivery condition of flat bars shall be annealed.

4. Quality

4.1 Hardness

The hardness of flat bars as delivery is shown in Table 2.

Table 2 Hardness

Grade	Hardness as delivery (HBW)
Aogami 1	≤229
Shirogami 1	≤223

4.2 Size Tolerance, Bar length and Straightness

The size tolerance, Bar length and Straightness of the flat bars shall conform to the Table 3.

Table 3 Size Tolerance, Bar length and Straightness (mm)

Nominal Size		Size Tolerance		Bar length	Straightness
Thickness	Width	Thickness	Width		
7~10	155	+1.0-0	+2.0-0	1220-2440	2mm/1000mm

Rev.	Revision History	Review Q.C.	Approved	Checked	Specified
0	See section 9				