

Specification of YSS High Class Cutlery

Hitachi Metals, Ltd. Yasugi Works

Brand Name	Chemical Composition(%)									Heat Treatment(Cent.)			Hardness	
	C	Si	Mn	P	S	Cr	W	Mo	V	(A)	(Q)	(T)	(A) HB	(T) HRC
White No1 (Shirogami No1)	A:1.30-1.40	0.10	0.20	≤ 0.025	≤ 0.004					740-770	760-800 water	180-220 Air	≤ 223	>math>\geq 60</math>
	B:1.20-1.30	-0.20	-0.30							Slow Cooling				
White No2 (Shirogami No2)	A:1.10-1.20	0.10	0.20	≤ 0.025	≤ 0.004					740-770	760-800 water	180-220 Air	≤ 217	>math>\geq 60</math>
	B:1.00-1.10	-0.20	-0.30							Slow Cooling				
Yellow No2 (Kigami No2)	A:1.10-1.20	0.10	0.20	≤ 0.030	≤ 0.006					740-770	760-800 water	180-220 Air	≤ 217	>math>\geq 60</math>
	B:1.00-1.10	-0.20	-0.30							Slow Cooling				
White for Saw (Shirogami Saw)	0.90	0.15	0.20	≤ 0.025	≤ 0.004					740-770	760-800 water	180-220 Air	≤ 212	>math>\geq 60</math>
	-1.00	-0.25	-0.30							Slow Cooling	(770-810 oil)	(280-340 Air)	>math>\geq 52</math>	
Yellow for Saw (Kigami Saw)	0.90	0.15	0.20	≤ 0.030	≤ 0.006					740-770	760-800 water	180-220 Air	≤ 212	>math>\geq 60</math>
	-1.00	-0.25	-0.30							Slow Cooling	(770-810 oil)	(280-340 Air)	>math>\geq 52</math>	
White No3 (Shirogami No3)	0.80	0.10	0.20	≤ 0.025	≤ 0.004					740-770	760-800 water	180-220 Air	≤ 212	>math>\geq 60</math>
	-0.90	-0.20	-0.30							Slow Cooling	(780-820 oil)	(280-340 Air)	>math>\geq 52</math>	
Yellow No3 (Kigami No3)	0.80	0.10	0.20	≤ 0.030	≤ 0.006					740-770	760-800 water	180-220 Air	≤ 212	>math>\geq 60</math>
	-0.90	-0.20	-0.30							Slow Cooling	(780-820 oil)	(280-340 Air)	>math>\geq 52</math>	
Blue No1 (Aogami No1)	A:1.30-1.40	0.10	0.20	≤ 0.025	≤ 0.004	0.30	1.50			750-780	780-830 water	160-230 Air	≤ 229	>math>\geq 60</math>
	B:1.20-1.30	-0.20	-0.30			-0.50	-2.00			Slow Cooling	(oil)			
Blue No2 (Aogami No2)	A:1.10-1.20	0.10	0.20	≤ 0.025	≤ 0.004	0.20	1.00			750-780	780-830 water	160-230 Air	≤ 229	>math>\geq 60</math>
	B:1.00-1.10	-0.20	-0.30			-0.50	-1.50			Slow Cooling	(oil)			
Blue Super (Aogami Super)	1.40	0.10	0.20	≤ 0.025	≤ 0.004	0.30	2.00	0.30	0.30	750-780	780-830 water	160-230 Air	≤ 235	>math>\geq 60</math>
	-1.50	-0.20	-0.30			-0.50	-2.50	-0.50	-0.50	Slow Cooling	(oil)			
KK	1.20	0.15	0.10	≤ 0.025	≤ 0.002	0.15				740-770	780-830 oil	160-230 Air	≤ 229	>math>\geq 61</math>
	-1.30	-0.30	-0.30			-0.50				Slow Cooling				