

DECLARATION OF CONFORMITY

Ice Qube Inc. certifies that our stainless-steel products conform to AISI 316L material in accordance with ASTM A250 and or EN 10088-1 standards. The requirements of ISO Guide 31 and ISO Guide 35 were generally followed for the preparation of this reference material and certificate of analysis.

CHEMICAL ANALYSIS

CM (Country of Melt) ES (Spain) US (United States) ZA (South Africa) JP (Japan)

HEAT	CM	C %	CR %	CU %	MN %	MO %
E54Y	US	.0139	16.5685	.5230	1.1845	2.0180
N %	NI %	P %	S %			
.0547	10.0000	.0330	.0031			

316/316L is molybdenum-bearing austenitic stainless steel. The higher nickel and molybdenum content in this grade allow it to demonstrate better overall corrosion resistant properties than 304, especially regarding pitting and crevice corrosion in chloride environments.

AISI 316L differs from AISI 316 for the low carbon content ($C \leq 0,03\%$). It has even better corrosion resistance and is used for the construction of electrical equipment and for the construction of distribution panels in environments with explosion risk and the presence of gases or dusts, corrosive agents and high temperatures.

Jeffrey S Palmer

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