

# Sanicro® 31H

## Tube and pipe, seamless

### Datasheet

Sanicro® 31H is an austenitic nickel-iron-chromium steel for high-temperature applications. The grade is characterized by good strength at high temperatures, very good resistance to oxidation, carburization and good resistance to nitrogen absorption.

#### Standards

- ASTM: Alloy 800H
- UNS: N08810
- EN Number: 1.4958
- EN Name: X5NiCrAlTi31-20
- W.Nr.: 1.4876\*, 1.4958\*\*
- DIN: X 10 NiCrAlTi 32 20\*, X 5 NiCrAlTi 31 20\*\*, X 10 NiCrAlTi 32 20 H\*\*\*

#### Chemical composition (nominal)

##### Chemical composition (nominal) %

C	Si	Mn	P	S	Cr	Ni
0.07	0.6	0.6	≤0.015	≤0.010	21	31

Others:  
Al+Ti  
<0.7

##### Disclaimer:

Recommendations are for guidance only, and the suitability of a material for a specific application can be confirmed only when we know the actual service conditions. Continuous development may necessitate changes in technical data without notice. This datasheet is only valid for Alleima materials.