

Fe-Cr-Ni Alloy UNS J92180 (chip form)

Art. ID	NIST-345b
Unit	150 g (chips)
Deliverydetails	No Dangerous Good /not restricted

Description

This Standard Reference Material (SRM) is intended primarily for use in validation of chemical and instrumental methods of analysis for elements in high temperature alloys and materials of a similar matrix. It can be used to validate value assignment of in-house reference materials. A unit of NIST-345b consists of a bottle containing 150 g of chips prepared from castings. /// Sample value(s) - please ask for current certificate.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
Certified Mass Fraction Value	Chromium (Cr)	[7440-47-3]	16,03	%		
Certified Mass Fraction Value	Cobalt (Co)	[7440-48-4]	0,066	%		
Certified Mass Fraction Value	Copper (Cu)	[7440-50-8]	3	%		
Certified Mass Fraction Value	Manganese (Mn)	[7439-96-5]	0,4902	%		
Certified Mass Fraction Value	Molybdenum (Mo)	[7439-98-7]	0,1541	%		
Certified Mass Fraction Value	Nickel (Ni)	[7440-02-0]	4,054	%		
Certified Mass Fraction Value	Niobium (Nb)	[7440-03-1]	0,2143	%		
Certified Mass Fraction Value	Phosphorus (P)	[7723-14-0]	0,0176	%		
Certified Mass Fraction Value	Silicon (Si)	[7440-21-3]	0,7821	%		
Certified Mass Fraction Value	Tin (Sn)	[7440-31-5]	0,00568	%		
Certified Mass Fraction Value	Tungsten (W)	[7440-33-7]	0,0394	%		
Certified Mass Fraction Value	Vanadium (V)	[7440-62-2]	0,0662	%		
Reference Mass Fraction Value	Aluminium (Al)	[7429-90-5]	0,013	%		
Reference Mass Fraction	Arsenic (As)	[7440-38-2]	0,0031	%		

Value				
Reference Mass Fraction	Carbon (C)	[7440-44-0]	0,043	%
Value				
Reference Mass Fraction	Iron (Fe)	[7439-89-6]	75,3	%
Value				
Reference Mass Fraction	Lead (Pb)	[7439-92-1]	0,002	%
Value				
Reference Mass Fraction	Nitrogen (N)	[7727-37-9]	0,013	%
Value				
Reference Mass Fraction	Sulfur (S)	[7704-34-9]	0,0008	%
Value				
Reference Mass Fraction	Titanium (Ti)	[7440-32-6]	0,007	%
Value				