

## **Aluminum Alloy 5182**

Art. ID	NIST-1241c
Unit	disc
Deliverydetails	No Dangerous Good /not restricted

### Description

This Standard Reference Material (SRM®) is intended primarily for use in evaluating instrumental methods of analysis including glow discharge optical emission spectrometry, spark source optical emission spectrometry, and X-ray fluorescence spectrometry. A unit of NIST-1241c consists of a disk approximately 6.3 cm in diameter and 1.9 cm thick. Aluminum Alloy 5182 is also available in chip form as NIST-854a. (a) These values and associated uncertainty estimates for Si and Ti must be used with units having serial numbers 501 through 594, inclusive. (b) These values and associated uncertainty estimates for Si and Ti must be used with units having serial numbers 595 through 688, inclusive. Certified values /// Sample value(s) - please ask for current certificate.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
(a)	Silicon (Si)	[7440-21-3]	0,1544			
(b)	Silicon (Si)	[7440-21-3]	0,1601			
	Iron (Fe)	[7439-89-6]	0,1997			
	Copper (Cu)	[7440-50-8]	0,0497			
	Manganese (Mn)	[7439-96-5]	0,3792			
	Magnesium (Mg)	[7439-95-4]	4,498			
	Nickel (Ni)	[7440-02-0]	0,0198			
	Zinc (Zn)	[7440-66-6]	0,0506			
(a)	Titanium (Ti)	[7440-32-6]	0,0317			
(b)	Titanium (Ti)	[7440-32-6]	0,0334			
	Vanadium (V)	[7440-62-2]	0,0174			
	Chromium (Cr)	[7440-47-3]	0,0343			
	Gallium (Ga)	[7440-55-3]	0,0184			