

## Alloy Steel, Dual-Phase Steel, Grade DP1080, chips

Art. ID IARM-FEDP1080-18-C  
Unit 100 g (chips)  
Deliverydetails No Dangerous Good /not restricted

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
Certified Value	Aluminium (Al)	[7429-90-5]	0,002 ± 0,001	%		
Certified Value	Carbon (C)	[7440-44-0]	0,11 ± 0,003	%		
Certified Value	Cobalt (Co)	[7440-48-4]	0,069 ± 0,004	%		
Certified Value	Chromium (Cr)	[7440-47-3]	0,554 ± 0,008	%		
Certified Value	Copper (Cu)	[7440-50-8]	0,042 ± 0,002	%		
Certified Value	Manganese (Mn)	[7439-96-5]	1,88 ± 0,03	%		
Certified Value	Molybdenum (Mo)	[7439-98-7]	0,445 ± 0,008	%		
Certified Value	Nitrogen (N)	[7727-37-9]	0,009 ± 0,002	%		
Certified Value	Niobium (Nb)	[7440-03-1]	0,014 ± 0,002	%		
Certified Value	Nickel (Ni)	[7440-02-0]	0,554 ± 0,007	%		
Certified Value	Oxygen (O)	[7782-44-7]	0,0055 ± 0,0009	%		
Certified Value	Phosphorus (P)	[7723-14-0]	0,014 ± 0,001	%		
Certified Value	Sulfur (S)	[7704-34-9]	0,006 ± 0,001	%		
Certified Value	Silicon (Si)	[7440-21-3]	0,11 ± 0,01	%		
Certified Value	Tin (Sn)	[7440-31-5]	0,0064 ± 0,0009	%		
Certified Value	Titanium (Ti)	[7440-32-6]	0,0013 ± 0,0008	%		
Certified Value	Vanadium (V)	[7440-62-2]	0,0043 ± 0,0007	%		
Certified Value	Tungsten (W)	[7440-33-7]	0,03 ± 0,004	%		
Indicative Value	Arsenic (As)	[7440-38-2]	~30	ppm		
Indicative Value	Boron (B)	[7440-42-8]	~3	ppm		
Indicative Value	Bismuth (Bi)	[7440-69-9]	<200	ppm		
Indicative Value	Calcium (Ca)	[7440-70-2]	<60	ppm		
Indicative Value	Cadmium (Cd)	[7440-43-9]	<50	ppm		
Indicative Value	Hydrogen (H)	[1333-74-0]	<10	ppm		
Indicative Value	Hafnium (Hf)	[7440-58-6]	<10	ppm		
Indicative Value	Magnesium (Mg)	[7439-95-4]	<50	ppm		
Indicative Value	Lead (Pb)	[7439-92-1]	~50	ppm		
Indicative Value	Antimony (Sb)	[7440-36-0]	~5	ppm		
Indicative Value	Selenium (Se)	[7782-49-2]	<110	ppm		
Indicative Value	Tantalum (Ta)	[7440-25-7]	<130	ppm		
Indicative Value	Zinc (Zn)	[7440-66-6]	~10	ppm		

Indicative Value	Zirconium (Zr)	[7440-67-7]	~20	ppm
	Aluminium (Al)	[7429-90-5]	~0,002	%
	Carbon (C)	[7440-44-0]	0,11	%
	Cobalt (Co)	[7440-48-4]	0,069	%
	Chromium (Cr)	[7440-47-3]	0,554	%
	Copper (Cu)	[7440-50-8]	0,042	%
	Manganese (Mn)	[7439-96-5]	1,88	%
	Molybdenum (Mo)	[7439-98-7]	0,445	%
	Nitrogen (N)	[7727-37-9]	~0,009	%
	Niobium (Nb)	[7440-03-1]	0,014	%
	Nickel (Ni)	[7440-02-0]	0,554	%
	Oxygen (O)	[7782-44-7]	~0,0055	%
	Phosphorus (P)	[7723-14-0]	0,014	%
	Sulfur (S)	[7704-34-9]	~0,006	%
	Silicon (Si)	[7440-21-3]	0,11	%
	Tin (Sn)	[7440-31-5]	~0,0064	%
	Titanium (Ti)	[7440-32-6]	~0,0013	%
	Vanadium (V)	[7440-62-2]	~0,0043	%
	Tungsten (W)	[7440-33-7]	~0,030	%