

**Iron base, Silicon Molybdenum Cast Iron, RM, Block 48 mm x 42 mm x 12 mm**

Art. ID                      BAS-SIMO 1/6  
Unit                         block  
Deliverydetails            No Dangerous Good /not restricted

**Description**

The material for this sample was prepared, using a special method of casting known to provide material of uniform composition in a form suitable for use as calibration reference materials in optical emission spectroscopic and XRF analysis. Representative samples were examined spectroscopically and found to give reproducible results.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
	Carbon (C)	[7440-44-0]	2,5 ± 0,03	%		
	Silicon (Si)	[7440-21-3]	4,04 ± 0,03	%		
	Manganese (Mn)	[7439-96-5]	0,372 ± 0,004	%		
	Phosphorus (P)	[7723-14-0]	0,036 ± 0,001	%		
	Sulfur (S)	[7704-34-9]	0,005 ± 0,001	%		
	Chromium (Cr)	[7440-47-3]	0,750 ± 0,011	%		
	Molybdenum (Mo)	[7439-98-7]	0,727 ± 0,006	%		
	Nickel (Ni)	[7440-02-0]	0,060 ± 0,003	%		
	Aluminium (Al)	[7429-90-5]	0,025 ± 0,003	%		
	Arsenic (As)	[7440-38-2]	0,001 ± 0,001	%		
	Cobalt (Co)	[7440-48-4]	0,025 ± 0,002	%		
	Copper (Cu)	[7440-50-8]	0,016 ± 0,001	%		
	Tin (Sn)	[7440-31-5]	0,053 ± 0,002	%		
	Titanium (Ti)	[7440-32-6]	0,010 ± 0,001	%		
	Vanadium (V)	[7440-62-2]	0,020 ± 0,003	%		
	Magnesium (Mg)	[7439-95-4]	0,002 ± 0,001	%		