

## **Bituminous Coal (Nominal Mass Fraction 3 % Sulfur) - Elements**

Art. ID	NIST-2684c
Unit	50 g
Deliverydetails	No Dangerous Good /not restricted

### Description

This Standard Reference Material (SRM®) is intended primarily for use in the evaluation of techniques used in the analysis of coals and materials of a similar matrix. A unit of NIST-2684c consists of 50 g of bituminous coal that was ground to pass a 212 µm (70 mesh) sieve, homogenized, packaged in an amber glass bottle under an argon atmosphere, and then sealed in an aluminized bag. /// Sample value(s) - please ask for current certificate.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
Certified value/Dry-Mas s Basis	Mercury (Hg)	[7439-97-6]	0,0688 ± 0,0041	mg/kg		
Certified value/Dry-Mas s Basis	Sulfur (S)	[7704-34-9]	3,027 ± 0,074	%		
Reference value/Dry-Mas s Basis/Coverage factor : 2	Aluminium (Al)	[7429-90-5]	8730 ± 210	mg/kg		
Reference value/Dry-Mas s Basis/Coverage factor : 2,15	Bromine (Br)	[7726-95-6]	11,1 ± 1,2	mg/kg		
Reference value/Dry-Mas s Basis/Coverage factor : 2	Calcium (Ca)	[7440-70-2]	3220 ± 93	mg/kg		
Reference value/Dry-Mas s Basis/Coverage factor : 2	Chlorine (Cl)	[7782-50-5]	975 ± 30	mg/kg		
Reference value/Dry-Mas s Basis/Coverage factor : 2,06	Potassium (K)	[7440-09-7]	981 ± 68	mg/kg		
Reference value/Dry-Mas s Basis/Coverage factor : 2,06	Magnesium (Mg)	[7439-95-4]	494 ± 37	mg/kg		
Reference value/Dry-Mas s Basis/Coverage factor : 2	Manganese (Mn)	[7439-96-5]	20,51± 0,44	mg/kg		
Reference value/Dry-Mas s Basis/Coverage factor	Sodium (Na)	[7440-23-5]	606 ± 16	mg/kg		

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Reference value/Dry-Mas Vanadium (V) [7440-62-2] 16,3 ± 1,1 mg/kg

s Basis/Coverage factor

: 2,09