

## **Baking chocolate - Fat, fatty acids**

Art. ID	NIST-2384
Unit	5 x 91 g
Deliverydetails	No Dangerous Good /not restricted

### Description

This Standard Reference Material (SRM) is intended primarily for use in validating methods for determining proximates, fatty acids, calories, and elements in baking chocolate and similar matrices. This SRM can also be used for quality assurance when assigning values to in-house reference materials. The SRM is baking chocolate prepared from 100 % cocoa beans by a manufacturer of baking chocolate and consists of a single production lot. A unit of NIST-2384 consists of five 91 g (3.2 oz) individually wrapped bars of baking chocolate. /// Only certified mass fraction values are listed below. For further values please see certificate. /// Sample value(s) - please ask for current certificate.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
	Calcium (Ca)	[7440-70-2]	840 ± 74	mg/kg		
	Copper (Cu)	[7440-50-8]	23,9 ± 1,0	mg/kg		
	Iron (Fe)	[7439-89-6]	132 ± 11	mg/kg		
	Sodium (Na)	[7440-23-5]	40 ± 2	mg/kg		
	Phosphorus (P)	[7723-14-0]	3330 ± 210	mg/kg		
	Magnesium (Mg)	[7439-95-4]	2570 ± 150	mg/kg		
	Manganese (Mn)	[7439-96-5]	20,3 ± 1,3	mg/kg		
	Potassium (K)	[7440-09-7]	8200 ± 500	mg/kg		
	Zinc (Zn)	[7440-66-6]	36,6 ± 1,7	mg/kg		
	Fat (Extractable)		51,4 ± 1,1	%		