

## **Ginger (Zingiber officinale) Rhizome**

Art. ID	NIST-3398
Unit	5 x 1,6 g
Deliverydetails	No Dangerous Good /not restricted

### Description

This Standard Reference Material (SRM) is intended primarily for use in evaluating analytical methods for the determination of gingerols, shogaols, and trace elements in ground ginger (Zingiber officinale) rhizomes and similar matrices. NIST-3398 can also be used for quality assurance when assigning values to in-house control materials. A unit of NIST-3398 consists of five packets, each containing approximately 1.6 g of ground ginger rhizome. /// Sample value(s) - please ask for current certificate.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
Certified mass fraction	Arsenic (As)	[7440-38-2]	49,6 ± 2,6	mg/g		
Certified mass fraction	Lead (Pb)	[7439-92-1]	1,445 ± 0,055	mg/g		
Certified mass fraction	Mercury (Hg)	[7439-97-6]	0,0522 ± 0,0017	mg/g		
Reference mass fraction	6-Gingerol	[23513-14-6]	3,919 ± 0,059	mg/g		
Reference mass fraction	8-Gingerol	[23513-08-8]	0,618 ± 0,013	mg/g		
Reference mass fraction	10-Gingerol	[23513-15-7]	0,894 ± 0,018	mg/g		
Reference mass fraction	6-Shogaol	[555-66-8]	2,706 ± 0,043	mg/g		
Reference mass fraction	8-Shogaol	[36700-45-5]	0,734 ± 0,021	mg/g		
Reference mass fraction	10-Shogaol	[36752-54-2]	1,233 ± 0,021	mg/g		
Reference mass fraction	Arsenous acid (AsIII)		3,4 ± 1,5	mg/g		
Reference mass fraction	Arsenic acid (AsV)		1,31 ± 0,94	mg/g		
Reference mass fraction	Inorganic arsenic (iAs)		4,72 ± 0,19	mg/g		