

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		