

## **Ginger (Zingiber officinale) Extract**

Art. ID	NIST-8666
Unit	5 x 3 g
Deliverydetails	No Dangerous Good /not restricted

### Description

This Reference Material (RM) is intended primarily for use in evaluating analytical methods for the determination of elements, gingerols, and shogaols in ginger extracts and similar matrices. RM 8666 provides a common matrix to those in the botanical supplements and natural products communities who wish to conduct testing or research studies. This RM is extracted from a portion of the authenticated ground rhizome material used in the preparation of SRM 3398. A unit of RM 8666 consists of five packets, each containing approximately 3 g of Zingiber officinale (ginger rhizome) extract. /// Sample value(s) - please ask for current certificate.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
Non-Certified Mass Fraction Value	6-Gingerol	[23513-14-6]	23,90 ± 0,39	mg/g		
Non-Certified Mass Fraction Value	8-Gingerol	[23513-08-8]	3,806 ± 0,082	mg/g		
Non-Certified Mass Fraction Value	10-Gingerol	[23513-15-7]	4,751 ± 0,056	mg/g		
Non-Certified Mass Fraction Value	6-Shogaol	[555-66-8]	5,554 ± 0,075	mg/g		
Non-Certified Mass Fraction Value	8-Shogaol	[36700-45-5]	0,980 ± 0,033	mg/g		
Non-Certified Mass Fraction Value	10-Shogaol	[36752-54-2]	1,645 ± 0,038	mg/g		
Non-Certified Mass Fraction Value	Arsenic (As)	[7440-38-2]	43,7 ± 5,4	µg/kg		
Non-Certified Mass Fraction Value	Mercury (Hg)	[7439-97-6]	8,3 ± 2,6	µg/kg		
Non-Certified Mass Fraction Value	Lead (Pb)	[7439-92-1]	99,8 ± 7,0	µg/kg		