

Green tea-containing solid oral dosage form - Catechins, xanthines and toxic elements

Art. ID	NIST-3256
Unit	5 packets x 2,5 g each
Deliverydetails	No Dangerous Good /not restricted

Description

This Standard Reference Material (SRM®) is intended primarily for use in validating analytical methods for the determination of catechins, xanthines, and toxic elements in solid oral dosage forms containing green tea and in similar matrices. NIST-3256 can also be used for quality assurance when assigning values to in-house control materials. A unit of NIST-3256 consists of five packets, each containing approximately 2.5 g of powdered material. Certified values /// Sample value(s) - please ask for current certificate.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
dry-mass basis	(+)-Catechin	[154-23-4]	2,63 ± 0,18	mg/g		
dry-mass basis	(-)-Epicatechin	[490-46-0]	12,0 ± 2,6	mg/g		
dry-mass basis	(-)-Epicatechin gallate	[1257-08-5]	17,1 ± 2,6	mg/g		
dry-mass basis	(-)-Epigallocatechin	[970-74-1]	30,7 ± 5,7	mg/g		
dry-mass basis	(-)-Epigallocatechin gallate	[989-51-5]	71,1 ± 6,6	mg/g		
dry-mass basis	(-)-Galocatechin	[3371-27-5]	7,55 ± 0,28	mg/g		
dry-mass basis	Gallic acid	[149-91-7]	13,10 ± 0,49	mg/g		
dry-mass basis	Caffeine	[58-08-2]	70,0 ± 2,6	mg/g		
dry-mass basis	Theobromine	[83-67-0]	1,04 ± 0,15	mg/g		
dry-mass basis	Arsenic (As)	[7440-38-2]	0,269 ± 0,019	mg/kg		
dry-mass basis	Cadmium (Cd)	[7440-43-9]	0,025 ± 0,002	mg/kg		
dry-mass basis	Lead (Pb)	[7439-92-1]	0,316 ± 0,030	mg/kg		
dry-mass basis	Mercury (Hg)	[7439-97-6]	0,014 ± 0,002	mg/kg		