

Green tea (Camellia sinensis) extract - Catechins and xanthines

Art. ID	NIST-3255
Unit	5 packets x 1 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 and xanthines in extracts of *Camellia sinensis* (green tea) and similar matrices. NIST-3255 can also be used for quality assurance when assigning values to in-house control materials. A unit of NIST-3255 consists of five packets, each containing approximately 1 g of extract. 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]	9,17 ± 0,93	mg/g		
dry-mass basis	(-)-Epicatechin	[490-46-0]	47,3 ± 6,7	mg/g		
dry-mass basis	(-)-Epicatechin gallate	[1257-08-5]	100,3 ± 7,8	mg/g		
dry-mass basis	(-)-Epigallocatechin	[970-74-1]	81,8 ± 6,5	mg/g		
dry-mass basis	(-)-Epigallocatechin gallate	[989-51-5]	422,0 ± 19,0	mg/g		
dry-mass basis	(-)-Galocatechin	[3371-27-5]	22,0 ± 1,7	mg/g		
dry-mass basis	(-)-Galocatechin gallate	[4233-96-9]	39,0 ± 2,0	mg/g		
dry-mass basis	Caffeine	[58-08-2]	36,9 ± 2,7	mg/g		
dry-mass basis	Theobromine	[83-67-0]	0,867 ± 0,076	mg/g		