

Green tea (Camellia sinensis) leaves - Catechins and xanthines

Art. ID	NIST-3254
Unit	5 packets x 3 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 the leaves of *Camellia sinensis* (green tea) and similar matrices. NIST-3254 can also be used for quality assurance when assigning values to in-house control materials. A unit of NIST-3254 consists of five packets, each containing approximately 3 g of leaf powder. Certified values /// Sample value(s) - please ask for current certificate.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
dry-mass basis	(-)-Epicatechin	[490-46-0]	9,0 ± 1,6	mg/g		
dry-mass basis	(-)-Epicatechin gallate	[1257-08-5]	12,7 ± 1,2	mg/g		
dry-mass basis	(-)-Epigallocatechin	[970-74-1]	25,2 ± 4,5	mg/g		
dry-mass basis	(-)-Epigallocatechin gallate	[989-51-5]	52,0 ± 2,2	mg/g		
dry-mass basis	(-)-Galocatechin gallate	[4233-96-9]	0,99 ± 0,21	mg/g		
dry-mass basis	Caffeine	[58-08-2]	23,5 ± 1,8	mg/g		
dry-mass basis	Theobromine	[83-67-0]	0,463 ± 0,052	mg/g		