

Yerba Mate Leaves

Art. ID	NIST-3253
Unit	2 x 10 g
Deliverydetails	No Dangerous Good /not restricted

Description

This Standard Reference Material (SRM) is intended primarily for use in validating methods for determining polycyclic aromatic hydrocarbons (PAHs) in yerba mate and similar matrices, and can also be used for quality assurance when assigning values to in-house control materials. A unit of NIST-3253 consists of two heat-sealed, aluminized pouches, each containing approximately 10 g of ground yerba mate. /// Sample value(s) - please ask for current certificate.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
Certified Mass Fraction	Pyrene	[129-00-0]	324 ± 53	ng/g	GC-MS	
Certified Mass Fraction	Benz(a)anthracene	[56-55-3]	70,2 ± 3,0	ng/g	GC-MS	
Certified Mass Fraction	Benzo(a)pyrene	[50-32-8]	57,8 ± 6,9	ng/g	GC-MS	
Certified Mass Fraction	Perylene	[198-55-0]	14,4 ± 2,7	ng/g	GC-MS	
Certified Mass Fraction	Benzo(g,h,i)perylene	[191-24-2]	118,6 ± 2,3	ng/g	GC-MS	
Reference Mass Fraction	2-Methylphenanthrene	[2531-84-2]	69 ± 10	ng/g	GC-MS	
Reference Mass Fraction	3-Methylphenanthrene	[832-71-3]	62 ± 14	ng/g	GC-MS	
Reference Mass Fraction	Fluoranthene	[206-44-0]	280 ± 48	ng/g	GC-MS	
Reference Mass Fraction	1-Methylpyrene	[2381-21-7]	18,8 ± 1,6	ng/g	GC-MS	
Reference Mass Fraction	Benzo(c)phenanthrene	[195-19-7]	18,9 ± 2,4	ng/g	GC-MS	
Reference Mass Fraction	Chrysene	[218-01-9]	128 ± 16	ng/g	GC-MS	
Reference Mass Fraction	Triphenylene	[217-59-4]	29,1 ± 6,9	ng/g	GC-MS	
Reference Mass Fraction	Benzo(b)fluoranthene	[205-99-2]	48 ± 22	ng/g	GC-MS	
Reference Mass Fraction	Benzo(k)fluoranthene	[207-08-9]	25,1 ± 9,1	ng/g	GC-MS	
Reference Mass Fraction	Benzo(a)fluoranthene	[203-33-8]	14,7 ± 3,8	ng/g	GC-MS	
Reference Mass Fraction	Indeno(1,2,3-cd)pyrene	[193-39-5]	57,7 ± 4,2	ng/g	GC-MS	
Reference Mass Fraction	Picene	[213-46-7]	12,72 ± 0,58	ng/g	GC-MS	
Reference Mass Fraction	Coronene	[191-07-1]	43,8 ± 1,8	ng/g	GC-MS	
Reference Mass Fraction	Ash		5,81 ± 0,17	g/100g		
Reference Mass Fraction	Protein		10,64 ± 0,90	g/100g		
Reference Mass Fraction	Carbohydrates		77,8 ± 3,1	g/100g		
Reference Mass Fraction	Total fat		5,4 ± 3,4	g/100g		
Reference Mass Fraction	Calories		402 ± 15	kcal/100g		