

Saw Palmetto (*Serenoa repens*) Extract - Phytosterols, beta-Carotene, gamma-tocopherol

Art. ID	NIST-3251
Unit	1 mL x 5 ampoules
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 phytosterols, beta-carotene, and gamma-tocopherol in extracts of *Serenoa repens* (saw palmetto) and similar matrices. This SRM can also be used for quality assurance when assigning values to in-house control materials. A unit of NIST-3251 consists of five ampoules, each containing approximately 1 mL of saw palmetto extract. /// Sample value(s) - please ask for current certificate.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
Certified Mass Fraction Value	Campesterol	[474-62-4]	0,533 ± 0,031	mg/g		
Certified Mass Fraction Value	beta-Sitosterol	[83-46-5]	1,666 ± 0,064	mg/g		
Certified Mass Fraction Value	Stigmasterol	[83-48-7]	0,247 ± 0,040	mg/g		
Certified Mass Fraction Value	Total beta-carotene	[7235-40-7]	46,8 ± 4,6	µg/g		
Certified Mass Fraction Value	gamma-Tocopherol	[54-28-4]	280 ± 13	µg/g		
Reference Mass Fraction Value	Cycloartenol	[469-38-5]	0,772 ± 0,008	mg/g		
Reference Mass Fraction Value	trans-beta-Carotene		36,4 ± 5,6	µg/g		
Reference Mass Fraction Value	(9Z)-beta-Carotene	[13312-52-2]	10,4 ± 1,2	µg/g		
Reference Mass Fraction Value	delta-Tocopherol		35,3 ± 0,5	µg/g		