

Out of Stock - Item is not available at this time - B100 Biodiesel (Animal-based)

Art. ID	NIST-2773
Unit	5 ampoules x 10 mL each
Deliverydetails	No Dangerous Good /not restricted

Description

This Standard Reference Material (SRM®) is a commercial 100 % biodiesel produced from animal feedstocks. NIST-2773 is intended for use in evaluating analytical methods for the determination of selected chemical and physical properties in pure biodiesel (B100). A unit of NIST-2773 consists of five 10-mL ampoules, each containing approximately 10 mL of biodiesel. Certified values /// Sample value(s) - please ask for current certificate.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
	Dodecanoic acid methyl ester (Lauric acid methyl ester)	[111-82-0]	0,470 ± 0,017	g/kg		
	Tetradecanoic acid methyl ester (Myristic acid methyl ester)	[124-10-7]	9,20 ± 0,45	g/kg		
	Pentadecanoic acid methyl ester	[7132-64-1]	0,305 ± 0,013	g/kg		
	Hexadecanoic acid methyl ester (Palmitic acid methyl ester)	[112-39-0]	184 ± 6	g/kg		
	9-Hexadecenoic acid methyl ester (Palmitoleic acid methyl ester)	[1120-25-8]	23,3 ± 0,9	g/kg		
	Octadecanoic acid methyl ester (Stearic acid methyl ester)	[112-61-8]	87,8 ± 4,2	g/kg		
	(Z)-9-Octadecenoic acid methyl ester (Oleic acid methyl ester)	[112-62-9]	343 ± 8	g/kg		
	11-Octadecenoic acid methyl ester (Vaccenic acid methyl ester)	[1937-63-9]	19,4 ± 0,7	g/kg		
	9,12-Octadecadienoic acid methyl ester (Linoleic acid methyl ester)	[112-63-0]	226 ± 5	g/kg		
	9,12,15-Octadecatrienoic acid methyl ester	[301-00-8]	25,0 ± 1,0	g/kg		

	c acid methyl ester (alpha-Linolenic acid methyl ester)			
	Eicosanoic acid methyl ester (Arachidic methyl ester)	[1120-28-1]	2,28 ± 0,12	g/kg
	5,8,11,14-Eicosatetraenoic acid methyl ester (Arachidonic acid methyl ester)	[2566-89-4]	2,53 ± 0,09	g/kg
	Docosanoic acid methyl ester (Behenic acid methyl ester)	[929-77-1]	1,66 ± 0,06	g/kg
	Water	[7732-18-5]	0,046 ± 0,002	%
	Sulfur	[7704-34-9]	7,39 ± 0,39	mg/kg
at 20 °C	Density		0,87628 ± 0,00010	g/cm ³
at 20 °C	Kinematic Viscosity		7,147 ± 0,021	mm ² /s
at 40 °C	Kinematic Viscosity		5,543 ± 0,010	mm ² /s
at 40 °C	Kinematic Viscosity		4,428 ± 0,009	mm ² /s