

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

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|-----------------|-----------------------------------|
| 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 | | |

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| | c acid methyl ester (alpha-Linolenic acid methyl ester) | | | |
| | Eicosanoic acid methyl ester (Arachidic acid 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 |