



Round Robin Tests FAME

Survey of parameters and methods

Round Robin Test FAME

Parameter	Method
Content of fatty acid methyl ester and fatty acid profile	EN 14103:2015
	EN 14103:2020
Density at 15 °C	EN ISO 3675:1998
	EN ISO 12185:1996
Sulphur Content	EN ISO 20846:2011
	EN ISO 20884:2011
Water Content	EN ISO 12937:2000
Acid Number	EN 14104:2003
Iodine Number	EN 14111:2003
	EN 16300:2012
Content of linolenic acid methyl esters	EN 14103:2015
	EN 14103:2020
Glycerol / Glycerides	EN 14105:2011
Content of Alkali metals (Na and K contents reported separately)	EN 14538:2006
Content of earth Alkali metals (Mg and Ca contents reported separately)	EN 14538:2006
Phosphorous content	EN 14107:2003
	EN 14538: 2025
CFPP	EN 116:2015
Cloud point	EN ISO 3015:2019
	EN ISO 22995:2019
Kinematic Viscosity at 40 °C	EN ISO 3104:1996
	EN ISO 23581:2024
Flash Point	EN ISO 2719:2016
	EN ISO 3679:2015

Round Robin Test FAME – Oxidation stability

Parameter	Method
Oxidation Stability (at 110 °C)	EN 15751:2014
	EN 14112:2016

Round Robin Test FAME – Oxidation stability at 120 °C

Parameter	Method
Oxidations stability (at 120 °C)	EN 16568:2023

Round Robin Test FAME – Methanol

Parameter	Method
Methanol Content	EN 14110:2003

Round Robin Test FAME – PUFA

Parameter	Method
Content of polyunsaturated methyl esters (≥ 4 double bonds)	EN 15779:2009 +A1:2013

Round Robin Test FAME – Cetane number

Parameter	Method
Cetane Number	EN ISO 5165:1998
	EN 15195:2014
	EN 17155:2018

Round Robin Test FAME – Total contamination

Parameter	Method
Total contamination	EN 12662-2: 2024