



MP Biodiesel S.A.
Route de l'Industrie 86
1564 Domdidier
SWITZERLAND

Your reference : -
Your order no. : Monitoring Biodiesel 2022-1
Date of order : 01.03.2022
Sample Receipt : 03.03.2022
Sampling : Customer
Start of test period : 03.03.2022
End of test period : 16.03.2022
Report date : 25.03.2022
Page : 1 of 1

Report No. : 3001440-1

Sample : 1A - MP Biodiesel S.A., Route de l'Industrie 86, 1564 Domdidier
Proof number : 255'012
Appearance : Color yellowish, clear, no visible impurities and water
Container : PE/PP bottle 1000 ml
ASG-ID : 3001440_001

Seal No. : Klebesiegel

Parameter	Method	Result	DIN EN 14214 :2014		Unit
			min.	max.	
Ester content	DIN EN 14103 :2015	94,5	96,5	-	% (m/m)
Density (15 °C)	DIN EN ISO 12185 :1997	884,7	860	900	kg/m ³
Kin. viscosity (40 °C)	DIN EN ISO 3104 :2021	4,896	3,50	5,00	mm ² /s
Flash point	DIN EN ISO 2719 :2021	163,0	101	-	°C
CFPP	DIN EN 116 :2018	-10	-	*	°C
Sulfur content	DIN EN ISO 20884 :2022	5,0	-	10	mg/kg
Cetane Number (ICN)	DIN EN 17155 :2018 (a)	56,0	51,0	-	-
Sulfated ash (775 °C)	ISO 3987 :2010	<0,01	-	0,02	% (m/m)
Water content	DIN EN ISO 12937 :2002	144	-	500	mg/kg
Total contamination	DIN EN 12662 :1998	<1	-	24	mg/kg
Copper strip corrosion	DIN EN ISO 2160 :1999	1	-	1	Corr.°
Oxidation stability	DIN EN 14112 :2021	9,4	8,0	-	h
Acid value	DIN EN 14104 :2003	0,32	-	0,50	mg KOH/g
Iodine value	DIN EN 16300 :2012	92,2	-	120	g Iodine/100g
Linolenic acid ME content	DIN EN 14103 :2015	1,7	-	12,0	% (m/m)
Polyunsaturated Methyl Esters	DIN EN 15779 :2013	<0,60	-	1,00	% (m/m)
Methanol content	DIN EN 14110 :2019	0,04	-	0,20	% (m/m)
Free glycerol content	DIN EN 14105 :2011	0,003	-	0,02	% (m/m)
Monoglyceride content		0,31	-	0,70	% (m/m)
Diglyceride content		0,14	-	0,20	% (m/m)
Triglyceride content		<0,01	-	0,20	% (m/m)
Total glycerol content		0,102	-	0,25	% (m/m)
Phosphorous content	DIN EN 14107 :2003	<4 [0,7]	-	4,0	mg/kg
Alkali content (Na+K)	DIN EN 14538 :2006	<1	-	5,0	mg/kg
Metal Content II (Ca+Mg)		<1	-	5,0	mg/kg
Cloud point	DIN EN 23015 :1994	+1	-	*	°C

*acc. national specifications

Jürgen Bernath (Technical manager)

(a) This method is not part of the accreditation.

ASG was not involved in the sampling procedure. Therefore the test results listed apply to the respective sample as received.

This report is related only to the samples stated above and may not be reproduced except in full, without approval

of the testing laboratory. Storage of the samples: 4 weeks from report date

For further information, please refer to our terms and conditions at www.asg-analytik.de Accreditation acc. to DIN EN ISO/IEC 17025.

