



ASG Analytik-Service Gesellschaft mbH
Trentiner Ring 30 • 86356 Neusäss • Germany

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

Your reference : -
Your order no. : QM Biodiesel CH 2020-1
Date of order : 05.02.2020
Sample Receipt : 06.02.2020
Sampling : Customer
Start of test period : 06.02.2020
End of test period : 10.02.2020
Report date : 10.02.2020
Page : 1 of 1

Report No. : 2800954-1

Sample : VI A 27.01.2020, 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 : 2800954_001
Seal No. : -

Parameter	Method	Result	DIN EN 14214 :2014		Unit
			min.	max.	
Ester content	DIN EN 14103 :2015	94,7	96,5	-	% (m/m)
Density (15 °C)	DIN EN ISO 12185 :1997	884,2	860	900	kg/m ³
Kin. viscosity (40 °C)	DIN EN ISO 3104 :1999	4,769	3,50	5,00	mm ² /s
Flash point	DIN EN ISO 2719 :2016	112,0	101	-	°C
CFPP	DIN EN 116 :2018	-5	-	*	°C
Sulfur content	DIN EN ISO 20884 :2011	6,7	-	10	mg/kg
Cetane Number (ICN)	DIN EN 17155 :2018 [a]	51,6	51,0	-	-
Sulfated ash (775 °C)	ISO 3987 :2010	<0,01	-	0,02	% (m/m)
Water content	DIN EN ISO 12937 :2002	187	-	500	mg/kg
Total contamination	DIN EN 12662 :1998	4	-	24	mg/kg
Copper strip corrosion	DIN EN ISO 2160 :1999	1	-	1	Corr.°
Oxidation stability	DIN EN 14112 :2016	10,4	8,0	-	h
Acid value	DIN EN 14104 :2003	0,377	-	0,50	mg KOH/g
Iodine value	DIN EN 16300 :2012	70,7	-	120	g Iodine/100g
Linolenic acid ME content	DIN EN 14103 :2015	1,9	-	12,0	% (m/m)
Polyunsaturated Methyl Esters	DIN EN 15779 :2013	<0,60	-	1,00	% (m/m)
Methanol content	DIN EN 14110 :2019	0,12	-	0,20	% (m/m)
Free glycerol content	DIN EN 14105 :2011	0,003	-	0,02	% (m/m)
Monoglyceride content		0,32	-	0,70	% (m/m)
Diglyceride content		0,16	-	0,20	% (m/m)
Triglyceride content		0,01	-	0,20	% (m/m)
Total glycerol content		0,109	-	0,25	% (m/m)
Phosphorous content	DIN EN 14107 :2003	<4 (1,3)	-	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	+4	-	*	°C

*acc. national specifications

Jürgen Bernath (Technical manager)

[a] This method is not part of the accreditation.
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
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