

## Overview of the average sampling results at producers and warehouse operators of AGQM in 2018

Parameter	Unit	DIN EN 14214		Results Ø 2018*
		min.	max.	
Ester Content	% (m/m)	96,5	-	98,6
Sulphur Content	mg/kg	-	10	3,7
Water Content	mg/kg	-	500 300** 220**	128
Total Contamination	mg/kg	-	24 20**	5,7
Oxidation Stability (at 110 °C)	h	8	-	10,7
Acid Number	mg KOH/g	-	0,50	0,31
Linolenic Acid Methyl Ester	% (m/m)	-	12,0	7,3
Free Glycerol	% (m/m)	-	0,02	0,007
Monoglyceride Content	% (m/m)	-	0,70	0,44
Diglyceride Content	% (m/m)	-	0,20	0,11
Triglyceride Content	% (m/m)	-	0,20	0,06
Total Glycerol Content	% (m/m)	-	0,25	0,14
Alkali Metal Content (Na+K)	mg/kg	-	5,0	0,8
Sodium Content	mg/kg	-	-	0,6
Potassium Content	mg/kg	-		0,3
Alkaline Earth Metal Content (Ca+Mg)	mg/kg	-	5,0	0,1
Calcium Content	mg/kg	-	-	0,1
Magnesium Content	mg/kg	-		0,1
Phosphorus Content	mg/kg	-	4,0	0,5

\* The average value is calculated for each parameter from the mean of all data of the 3 campaigns of the sampling performed at AGQM's producers and warehouse operators in 2018 (excluding products for which special limits apply).

\*\* Limits requested by AGQM.



Parameter	Unit	DIN EN 14214		Results Ø 2018*
			max.	
Cloudpoint (blend component for Diesel)	°C	16.11. to 29.02	-3	-3
		15.04. to 30.09.	5	0
		01.10. to 15.11	0	-4
CFPP (blend component for Diesel)	°C	16.11. to 29.02	-10	-15
		15.04. to 30.09.	0	-10
		01.10. to 15.11	-5	-15

\* The average value is calculated for each parameter from the mean of all data of the sampling performed at AGQM's producers and warehouse operators of the campaign in the indicated period of time in 2018 (excluding products for which special limits apply).

