

## Overview of the sampling results at producers and warehouse operators of AGQM in 2020

Parameter	Unit	DIN EN 14214		95 Quantile* 2020
		min.	max.	
Ester Content	% (m/m)	96,5	-	96.9
Sulphur Content	mg/kg	-	10	7.3
Water Content	mg/kg	-	500 220**	211
Total Contamination	mg/kg	-	24 20**	19
Oxidation Stability (at 110 °C)	h	8	-	8.4
Acid Number	mg KOH/g	-	0.50	0.44
Iodine Number	g Iodine / 100 g	-	120	112
Linolenic Acid Methyl Ester	% (m/m)	-	12.0	8.8
Free Glycerol	% (m/m)	-	0.02	0.018
Monoglyceride Content	% (m/m)	-	0.70	0.62
Diglyceride Content	% (m/m)	-	0.20	0.17
Triglyceride Content	% (m/m)	-	0.20	0.12
Total Glycerol Content	% (m/m)	-	0.25	0.19
Alkali Metal Content (Na+K)	mg/kg	-	5.0	1.5
Alkaline Earth Metal Content (Ca+Mg)	mg/kg	-	5.0	0.3
Phosphorus Content	mg/kg	-	4.0	1.5

\* The 95 Quantile describes the value below or above which 95% of all results are laying (excluding products with limit violations and products for which special limit values apply).

\*\* Limits requested by AGQM.



Parameter	Unit	DIN EN 14214		95 Quantile* 2020
			max.	
Cloudpoint (blend component for Diesel)	°C	16.11. to 29.02	<b>-3</b>	<b>-3</b>
		15.04. to 30.09.	<b>5</b>	<b>4</b>
		01.10. to 15.11	<b>0</b>	<b>-2</b>
CFPP (blend component for Diesel)	°C	16.11. to 29.02	<b>-10</b>	<b>-11</b>
		15.04. to 30.09.	<b>0</b>	<b>-4</b>
		01.10. to 15.11	<b>-5</b>	<b>-10</b>

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