

Overview of the sampling results at producers and warehouse operators of AGQM in 2019

Parameter	Unit	DIN EN 14214		95 Quantile* 2019
		min.	max.	
Ester Content	% (m/m)	96,5	-	97,9
Sulphur Content	mg/kg	-	10	6,3
Water Content	mg/kg	-	500 300** 220**	196
Total Contamination	mg/kg	-	24 20**	15
Oxidation Stability (at 110 °C)	h	8	-	8,8
Acid Number	mg KOH/g	-	0,50	0,45
Iodine Number	g Iodine / 100g	-	120	112
Linolenic Acid Methyl Ester	% (m/m)	-	12,0	9,2
Free Glycerol	% (m/m)	-	0,02	0,016
Monoglyceride Content	% (m/m)	-	0,70	0,63
Diglyceride Content	% (m/m)	-	0,20	0,18
Triglyceride Content	% (m/m)	-	0,20	0,12
Total Glycerol Content	% (m/m)	-	0,25	0,20
Alkali Metal Content (Na+K)	mg/kg	-	5,0	1,9
Alkaline Earth Metal Content (Ca+Mg)	mg/kg	-	5,0	0,1
Phosphorus Content	mg/kg	-	4,0	1,7

* 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* 2019
			max.	
Cloudpoint (blend component for Diesel)	°C	16.11. to 29.02	-3	-3
		15.04. to 30.09.	5	3
		01.10. to 15.11	0	-1
CFPP (blend component for Diesel)	°C	16.11. to 29.02	-10	-10
		15.04. to 30.09.	0	-2
		01.10. to 15.11	-5	-9

* 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).

