

Overview of the sampling results at producers and warehouse operators of AGQM in 2024

Parameter	Unit	DIN EN 14214		95% Quantile* 2024
		min.	max.	
Ester Content	% (m/m)	96.5	-	97.0
Sulfur Content	mg/kg	-	10	7.0
Water Content (Producers)	% (m/m)	-	0.050 0.027**	0.024
Total Contamination	mg/kg	-	24 20**	14
Oxidation Stability (at 110 °C)	h	8.0	-	8.6
Acid Number	mg KOH/g	-	0.50	0.46
Iodine Number	g Iodine / 100 g	-	120	114
Linolenic Acid Methyl Ester	% (m/m)	-	12.0	9.6
Free Glycerol	% (m/m)	-	0.02	0.018
Monoglyceride Content	% (m/m)	-	0.70	0.57
Diglyceride Content	% (m/m)	-	0.20	0.17
Triglyceride Content	% (m/m)	-	0.20	0.11
Total Glycerol Content	% (m/m)	-	0.25	0.19
Alkali Metal Content (Na+K)	mg/kg	-	5.0	1.3
Alkaline Earth Metal Content (Ca+Mg)	mg/kg	-	5.0	0.1
Phosphorus Content	mg/kg	-	4.0	0.4

* 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* 2024
			max.	
Cloudpoint (blend component for Diesel)	°C	16.11. to 29.02	-3	-4
		15.04. to 30.09.	5	-3
		01.10. to 15.11	0	-4
CFPP (blend component for Diesel)	°C	16.11. to 29.02	-10	-12
		15.04. to 30.09.	0	-8
		01.10. to 15.11	-5	-11

* 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).

