

Overview of the sampling results at producers and warehouse operators of AGQM in 2023

Parameter	Unit	DIN EN 14214		95 Quantile* 2023
		min.	max.	
Ester Content	% (m/m)	96.5	-	96.9
Sulphur Content	mg/kg	-	10	8.2
Water Content (Producers)	% (m/m)	-	0,050 0,027**	0.023
Total Contamination	mg/kg	-	24 20**	14
Oxidation Stability (at 110 °C)	h	8.0	-	8.9
Acid Number	mg KOH/g	-	0.50	0.43
Iodine Number	g Iodine / 100 g	-	120	110
Linolenic Acid Methyl Ester	% (m/m)	-	12.0	9.8
Free Glycerol	% (m/m)	-	0.02	0.019
Monoglyceride Content	% (m/m)	-	0.70	0.58
Diglyceride Content	% (m/m)	-	0.20	0.18
Triglyceride Content	% (m/m)	-	0.20	0.15
Total Glycerol Content	% (m/m)	-	0.25	0.20
Alkali Metal Content (Na+K)	mg/kg	-	5.0	1.7
Alkaline Earth Metal Content (Ca+Mg)	mg/kg	-	5.0	0.3
Phosphorus Content	mg/kg	-	4.0	0.9

* 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).

** Limits requested by AGQM.



Parameter	Unit	DIN EN 14214		95 Quantile* 2023
			max.	
Cloudpoint (blend component for Diesel)	°C	16.11. to 29.02	-3	-5
		15.04. to 30.09.	5	-2
		01.10. to 15.11	0	-4
CFPP (blend component for Diesel)	°C	16.11. to 29.02	-10	-11
		15.04. to 30.09.	0	-6
		01.10. to 15.11	-5	-10

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