

Annex "B"

SPECIFICATIONS

	Parameter	Method	Specification DIN 51 605	Unit
A	Density (at 15° C)	DIN EN ISO 3675 DIN EN ISO 12185	900 - 930	g/m ³
B	Flash point by P. -M	DIN EN ISO 22719	Min. 220	°C
C	Kinematic viscosity (40° C)	DIN EN ISO 3104	Max. 36.0	mm ² /s
D	Calorific value, lower	DIN 51 900-2/3	min. 36000	kJ/kg
E	Cetane number (DCN)	IP 498	min. 39	-
F	Carbon residue	DIN EN ISO 10370	max. 0.40	% (m/m)
G	Iodine value	DIN 53241-1 DIN EN ISO 14111	94 - 125 94 - 125	g/100g g Jod/100g
H	Sulphur content	ASTM D5453-93 DIN EN ISO 20884	max. 10 max. 10	mg/kg mg/kg
I	Total contamination	DIN EN 12662	max. 24	mg/kg
J	Acid value	DIN EN ISO 660 DIN EN 14104	max. 2,0 max. 2.0	mg KOH/g mg KOH/g
K	Oxidation stability 110° C	ISO 6886 DIN EN 14112	min. 6.0 min. 6.0	H h
L	Phosphorus content	ASTM D3231-99 DIN EN 14107	max. 12 max. 12	mg/kg mg/kg
M	Earth alkali content (Ca + Mg)	E DIN EN 14538	max. 20	mg/kg
N	Ash content	DIN EN ISO 6245	max. 0.01	mass-%
O	Water content	DIN EN ISO 12937	max. 0.075	mass-%
P	Ester content	HPLC	-	% (m/m)
Q	Erucic Acid	C22:1	max. USP 2.0	mass-%
R	Free fatty acid (as oleic)	USP 24	max 1.0	mass-%
S	Saponification value (number)	DIN 51 559	170-179	-
T	Unsaponifiable matter	USP 24	max. 1.5	mass-%
U	Colour Gardner	AOCS Td la-64	max. 4	-
V		Appearance	Pale yellow, bright and clear oily liquid	
W		Odour	Bland, odourless	

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