

BIODIESEL TECHNICAL SHEET

PERIOD: (SUMMER)

property	unit of measure	min.	max.	method	specs
Acidity	mg KOH/g		0,5	EN14104:2003	EN14214: 2012 + A1:2014&AC:2014
Water Karl Fisher	mg/kg		300	EN ISO 12937:2000	EN14214: 2012 + A1:2014&AC:2014
Viscosity @ 40°C	mm ² /s	3,5	5	EN ISO 3104:1996	EN14214: 2012 + A1:2014&AC:2014
Oxidation Stability (at 110 °C) Rancimat	hour	10		EN15751:2014	EN14214: 2012 + A1:2014&AC:2014
ATP (Adenosine triphosphate) bacteria	pg/ml		5	ASTM D 7687:2011	-
Colour			2	ASTM D 1500: 2012	-
Iodine number	g of iodine/100g		120	EN14111:2003	EN14214: 2012 + A1:2014&AC:2014
Total contamination	mg/kg		20	EN12662:2014	EN14214: 2012 + A1:2014&AC:2014
Ester content	% m/m	98		EN14103: 2011	EN14214: 2012 + A1:2014&AC:2014
Monoglyceride content	% m/m		0,3	EN14105: 2011	EN14214: 2012 + A1:2014&AC:2014
Cloud Point (CP)	° C		13	EN23015: 1995	EN14214: 2012 + A1:2014&AC:2014
CFPP	° C		10	EN116: 2000 EN16329: 2013	EN14214: 2012 + A1:2014&AC:2014
Density	Kg/m ³	860	885	EN ISO 3675:2002 / EN ISO 12185: 1999 ; + Annex B (EN14214: 2012 + A1:2014&AC:2014	EN14214: 2012 + A1:2014&AC:2014
Pour point	° C	TBR		ISO 3016/94	Not expected in spec.

PERIOD: (WINTER)

Property	unit of measure	min.	max.	method	specs
Acidity	mg KOH/g		0,5	EN14104:2003	EN14214: 2012 + A1:2014&AC:2014
Water Karl Fisher	mg/kg		300	EN ISO 12937:2000	EN14214: 2012 + A1:2014&AC:2014
Viscosity @ 40°C	mm ² /s	3,5	5	EN ISO 3104:1996	EN14214: 2012 + A1:2014&AC:2014
Oxidation Stability (at 110 °C)	Hour	10		EN15751:2014	EN14214: 2012 + A1:2014&AC:2014
ATP (Adenosine triphosphate) bacteria	pg/ml		5	ASTM D 7687:2011	-
Colour			2	ASTM D 1500: 2012	-
Iodine number	g of iodine/100g		120	EN14111:2003	EN14214: 2012 + A1:2014&AC:2014
Total contamination	mg/kg		20	EN12662:2014	EN14214: 2012 + A1:2014&AC:2014
Ester content	% m/m	98		EN14103: 2011	EN14214: 2012 + A1:2014&AC:2014
Monoglyceride content	% m/m		0,4	EN14105: 2011	EN14214: 2012 + A1:2014&AC:2014
Cloud Point (CP)	° C		9	EN23015: 1995	EN14214: 2012 + A1:2014&AC:2014
CFPP	° C		5	EN116: 2000 EN16329: 2013	EN14214: 2012 + A1:2014&AC:2014
Density	Kg/m ³	860	885	EN ISO 3675:2002 / EN ISO 12185: 1999 ; + Annex B (EN14214: 2012 + A1:2014&AC:2014	EN14214: 2012 + A1:2014&AC:2014
Pour point	° C	T B R	ISO 301 6/9 4	Not expected in spec.	

PERIOD: DICEMBER /FEBRUARY

Property	unit of measure	min.	max.	method	specs
Acidity	mg KOH/g		0,5	EN14104:2003	EN14214: 2012 + A1:2014&AC:2014
Water Karl Fisher	mg/kg		300	EN ISO 12937:2000	EN14214: 2012 + A1:2014&AC:2014
Viscosity @ 40°C	mm ² /s	3,5	5	EN ISO 3104:1996	EN14214: 2012 + A1:2014&AC:2014
Oxidation Stability (at 110 °C)	Hour	10		EN15751:2014	EN14214: 2012 + A1:2014&AC:2014
ATP (Adenosine triphosphate) bacteria	pg/ml		5	ASTM D 7687:2011	-
Colour			2	ASTM D 1500: 2012	-
Iodine number	g of iodine/100g		120	EN14111:2003	EN14214: 2012 + A1:2014&AC:2014
Total contamination	mg/kg		20	EN12662:2014	EN14214: 2012 + A1:2014&AC:2014
Ester content	% m/m	98		EN14103: 2011	EN14214: 2012 + A1:2014&AC:2014
Monoglyceride content	% m/m		0,4	EN14105: 2011	EN14214: 2012 + A1:2014&AC:2014
Cloud Point (CP)	° C		5	EN23015: 1995	EN14214: 2012 + A1:2014&AC:2014
CFPP	° C		0	EN116: 2000 EN16329: 2013	EN14214: 2012 + A1:2014&AC:2014
Density	Kg/m ³	860	885	EN ISO 3675:2002 / EN ISO 12185: 1999 ; + Annex B (EN14214: 2012 + A1:2014&AC:2014	EN14214: 2012 + A1:2014&AC:2014
Pour point	° C	T B R	ISO 3016/ 94	Not expected in spec.	