

R W HEIDEN ASSOCIATES LLC/SAM YODER SUNFLOWER OIL

SUMMARY REPORT- 122010

120710 SAMPLES

DATA REPORTED 122010

SAMPLE	ASTM D1298 DENSITY g/ml 15C	ASTM D2709 SED+WATER vol %	EN 14112 OXSTAB it-hours	ASTM D4951 P ppm	ASTM D445 VISCOSITY mm2/sec 40C	ASTM D664/D974 ACID NUMBER mgKOH/gm	AOCsAI2-79 MOISTURE %mass	ASTM D482 ASH %mass	AOCSCd22-91 POLYMERS %mass	AOCSCd11d-96 DIGLYCERIDE %mass	AOCSCd11d-96 MONOGLY %mass	AOCSCd18-90 AOCSCd 8-53 totox idx
YODER H	0.9355	0.020	7.48	0	39.21	1.80	0.10	0.004	0.00	1.04	0.00	10.1
YODER I	0.9320	0.020	6.92	0	38.63	4.20	0.21	0.064	0.00	1.96	0.00	26.9
DIN RAPESEED FUEL SPEC ASTM B100 SPEC (FOR COMPARISON)	0.93 MAX	0.05 MAX	5.0 MIN 3 MIN	15 MAX 10 MAX	38 MAX	2.0 MAX 0.5 MAX		0.01 MAX 0.02 sulfated MAX				

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