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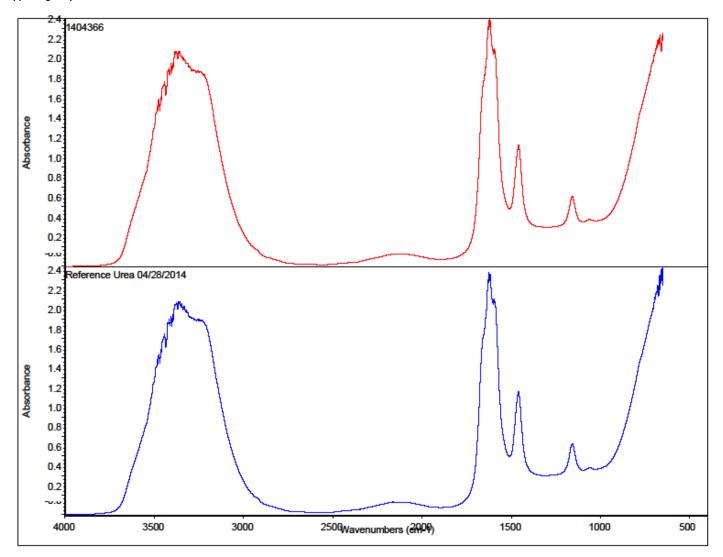
Contact:	Sharon Stegmuller	Sample ID	Batch #304152014
Company:	DEF Products LLC	Batch #	Batch #304152014
Address:		Date sampled	4/24/2014
	422 E Barioni Blvd	Date Received	4/30/2014
City, ST, Zip	Imperial, 92251 92251	Date Promised	5/5/2014
E-Mail	Raymond14@gmail.com,	Amalgatech ID	1404366
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	DEFPRODUCTS@GMAIL.com		
Phone / Fax	760 355-7997 / 760 355-4588	Report Date	5/1/2014

Diesel Exhaust Fluid per ISO 222411

Characteristics	Unit	Test Methods	Limits		Acceptance Range ²			
			min.	max.	min.	max.	Results	
Urea content	% (m/m)	ISO 22241-2 Annex A ISO 22241-2 Annex B	31.8	33.2	30.8	34.2	32.6	
Density at 20°C	kg/m ³	ISO 3675 or ISO 12185	1087.0	1093.0	1086.5	1093.5	1089.7	
Refractive index at 20°C		ISO 22241-2 Annex C	1.3814	1.3843	1.3804	1.3853	1.3829	
Alkalinity as NH ₃	%m/m	ISO 22241-2 Annex D		0.2		0.24	0.08	
Biuret	%m/m	ISO 22241-2 Annex E		0.3		0.34	0.086	
Aldehydes	mg/kg	ISO 22241-2 Annex F		5.0		7.4	0.1	
Insoluble matter	mg/kg	ISO 22241-2 Annex G		20		27.6	2.29	
Phosphate (PO ₄)	mg/kg	ISO 22241-2 Annex H		0.5		0.53	0.04	
Calcium	mg/kg	ISO 22241-2 Annex I		0.5		0.55	0.26	
Iron	mg/kg	ISO 22241-2 Annex I		0.5		0.65	0.00	
Copper	mg/kg	ISO 22241-2 Annex I		0.2		0.24	0.00	
Zinc	mg/kg	ISO 22241-2 Annex I		0.2		0.26	0.00	
Chromium	mg/kg	ISO 22241-2 Annex I		0.2		0.26	0.00	
Nickel	mg/kg	ISO 22241-2 Annex I		0.2		0.26	0.00	
Aluminum	mg/kg	ISO 22241-2 Annex I		0.5		0.65	0.00	
Magnesium	mg/kg	ISO 22241-2 Annex I		0.5		0.65	0.02	
Sodium	mg/kg	ISO 22241-2 Annex I		0.5		0.75	0.01	
Potassium	mg/kg	ISO 22241-2 Annex I		0.5		0.75	0.10	
Identity		ISO 22241-2 Annex J	Identical to	reference	Identical to	o reference	Identical to reference	
Comments by Amalgatech:								

 $^{^{\}rm 2}$ Acceptance Range = Limit adjusted for reproducibility per Annex B

Supporting Graph:



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NOTE ¹ Amalgatech has performed the test in accordance with the revision of the standard in place at the time the test was performed. Amalgatech uses only active standards.

Respectfully submitted,

AMALGATECH DIVISION
AMALGAMATED LABORATORIES, INC.

Ed Eaton Chief Engineer