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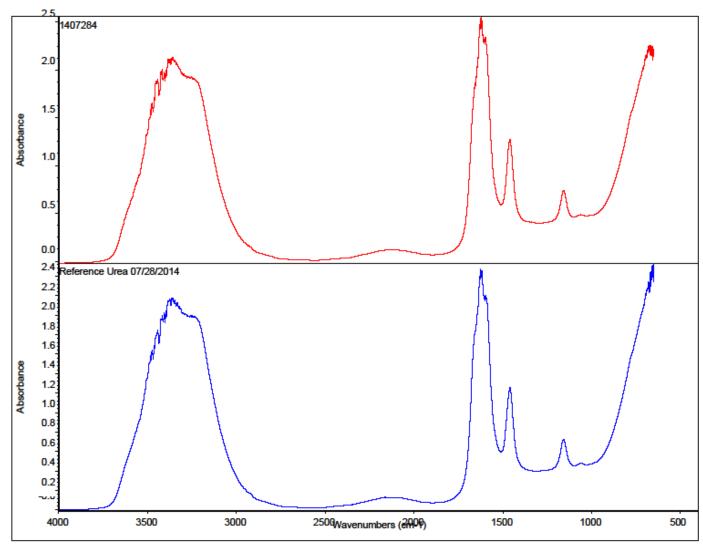
Contact:	Ray Pederson	Sample ID	Batch 307112014	
Company:	DEF Products	Batch #		
Address:	PO Box 278	Date sampled	7/23/2014	
	422 E Barioni Blvd.	Date Received	7/28/2014	
City, ST, Zip	Imperial, 92251 92251	Date Promised	7/30/2014	
E-Mail	defproducts@gmail.com	Amalgatech ID	1407284	
Phone / Fax	760355-7997 /	Report Date	7/29/2014	

Diesel Exhaust Fluid per ISO 22241¹

Characteristics	Unit	Test Methods	Limits		Acceptance Range ²		Results	
			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	33.1	
Density at 20°C	kg/m ³	ISO 3675 or ISO 12185	1087.0	1093.0	1086.5	1093.5	1089.8	
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	0.02	
Biuret	%m/m	ISO 22241-2 Annex E		0.3		0.34	0.053	
Aldehydes	mg/kg	ISO 22241-2 Annex F		5.0		7.4	0.2	
Insoluble matter	mg/kg	ISO 22241-2 Annex G		20		27.6	0.8	
Phosphate (PO ₄)	mg/kg	ISO 22241-2 Annex H		0.5		0.53	0.05	
Calcium	mg/kg	ISO 22241-2 Annex I		0.5		0.55	0.22	
Iron	mg/kg	ISO 22241-2 Annex I		0.5		0.65	0.01	
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	0.01	
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	0.00	
Identity		ISO 22241-2 Annex J	Identical to	reference	Identical to	o reference	Identical to reference	
Comments by Amalgatech:								

² Acceptance Range = Limit adjusted for reproducibility per Annex B





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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.

Eaton El.

Ed Eaton Chief Engineer