

Amalgatech LLC 2965 West Osborn Phoenix, AZ 85017

Phone: 602-252-0280 Fax: 602-252-0282 E-mail info@amalgatech.com

Sample ID Ray Pederson Contact: Lot # 310222015 DEF Products Batch # Lot # 310222015 Company: Address: 422 East Barioni Drive Date sampled 10/22/2015 Date Received 11/9/2015 City, ST, Zip Imperial, CA 92251 Date Promised 11/14/2015 defproducts@gmail.com Amalgatech ID E-Mail 1511116 760427-4479 / Phone / Fax Report Date 11/10/2015

## Diesel Exhaust Fluid per ISO 222411

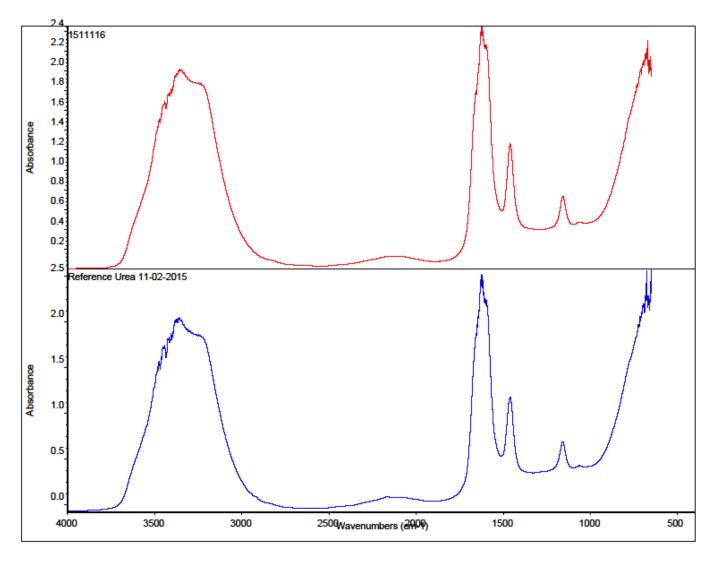
I I mid	Test Methods	Limits		Acceptance Range <sup>2</sup>		D W.
Unit		min.	max.	min.	max.	Results
% (m/m)	ISO 22241-2 Annex A ISO 22241-2 Annex B	31.8	33.2	30.8	34.2	31.1
kg/m <sup>3</sup>	ISO 3675 or ISO 12185	1087.0	1093.0	1086.5	1093.5	1086.5
	ISO 22241-2 Annex C	1.3814	1.3843	1.3804	1.3853	1.3810
%m/m	Annex D		0.2		0.24	0.03
%m/m	Annex E		0.3		0.34	0.296
mg/kg	Annex F		5.0		7.4	0.5
mg/kg	ISO 22241-2 Annex G		20		27.6	6.2
mg/kg	ISO 22241-2 Annex H		0.5		0.53	0.06
mg/kg	Annex I		0.5		0.55	0.14
mg/kg	ISO 22241-2 Annex I		0.5		0.65	0.04
mg/kg	ISO 22241-2 Annex I		0.2		0.24	0.01
mg/kg	ISO 22241-2 Annex I		0.2		0.26	0.00
mg/kg	ISO 22241-2 Annex I		0.2		0.26	0.05
mg/kg	ISO 22241-2 Annex I		0.2		0.26	0.08
mg/kg	ISO 22241-2 Annex I		0.5		0.65	0.06
mg/kg	ISO 22241-2 Annex I		0.5		0.65	0.01
mg/kg	ISO 22241-2 Annex I		0.5		0.75	0.04
mg/kg	ISO 22241-2 Annex I		0.5		0.75	0.29
	ISO 22241-2 Annex J	Identical to	reference	Identical to reference		Identical to Reference
	(m/m) kg/m³ %m/m %m/m mg/kg	SO 22241-2	Unit         Test Methods           % (m/m)         ISO 22241-2 Annex A ISO 22241-2 Annex B           kg/m³         ISO 3675 or ISO 12185	Unit         Test Methods         min.         max.           % (m/m)         ISO 22241-2 Annex A ISO 22241-2 Annex B         31.8         33.2           kg/m³         ISO 3675 or ISO 12185         1087.0         1093.0	Note	Nit

Comments by Amalgatech:

Urea Content is lower than the spec limit but within the acceptance range for ISO22241; Density is lower than the spec limit but within the acceptance range for ISO22241; Refractive Index is lower than the spec limit but within the acceptance range for ISO22241; Refractive Index is lower than the spec limit but within the acceptance range for ISO22241; Refractive Index is lower than the spec limit but within the acceptance range for ISO22241; Refractive Index is lower than the spec limit but within the acceptance range for ISO22241; Refractive Index is lower than the spec limit but within the acceptance range for ISO22241; Refractive Index is lower than the spec limit but within the acceptance range for ISO22241; Refractive Index is lower than the spec limit but within the acceptance range for ISO22241; Refractive Index is lower than the spec limit but within the acceptance range for ISO22241; Refractive Index is lower than the spec limit but within the acceptance range for ISO22241; Refractive Index is lower than the spec limit but within the acceptance range for ISO22241; Refractive Index is lower than the spec limit but within the acceptance range for ISO22241; Refractive Index is lower than the spec limit but within the acceptance range for ISO22241; Refractive Index is lower than the spec limit but within the acceptance range for ISO22241; Refractive Index is lower than the spec limit but within the acceptance range for ISO22241; Refractive Index is lower than the spec limit but within the acceptance range for ISO22241; Refractive Index is lower than the spec limit but within the acceptance range for ISO22241; Refractive Index is lower than the spec limit but within the acceptance range for ISO22241; Refractive Index is lower than the spec limit but within the acceptance range for ISO22241; Refractive Index is lower than the spec limit but within the acceptance range for ISO22241; Refractive Index is lower than the spec limit but within the acceptance range for ISO22241; Refractive Index is lower than the

<sup>&</sup>lt;sup>2</sup> Acceptance Range = Limit adjusted for reproducibility per Annex B

## **Supporting Graph:**



**Important note:** Amalgatech receives samples that are identified by the customer/sender and takes these identifications in good faith, reporting data to the customer using the customer's identification. Our laboratory services are not intended for marketing and are not product certifications. This report is © Amalgatech 2015. It may not be reproduced, altered, copied or disseminated except in whole. Use of the report is permitted, including copying, as long as the entire report, including this information section, is always provided in its entirety.

NOTE <sup>1</sup> 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** 

Ed Eaton Chief Engineer