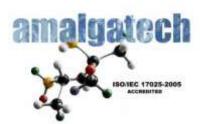
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2965 West Osborn Phoenix, AZ 85017

Phone: 602-252-0280 Fax: 602-252-0282 E-mail <u>info@amalgatech.com</u>

| Contact: | Ray Pederson | Sample ID | 306102016 |
|---------------|-------------------------------|---------------|-----------|
| Company: | DEF Products LLC | Batch # | |
| Address: | | Date sampled | 6/10/2016 |
| | 422 E Barioni Blvd | Date Received | 6/14/2016 |
| City, ST, Zip | Imperial, CA 92251 | Date Promised | 6/19/2016 |
| E-Mail | Raymond14@gmail.com, | Amalgatech ID | 1606236 |
| | sharonstegmuller@gmail.com, | | |
| | DEFPRODUCTS@GMAIL.com | | |
| Phone / Fax | 760-427-4479 / (310) 386-8887 | Report Date | 6/15/2016 |

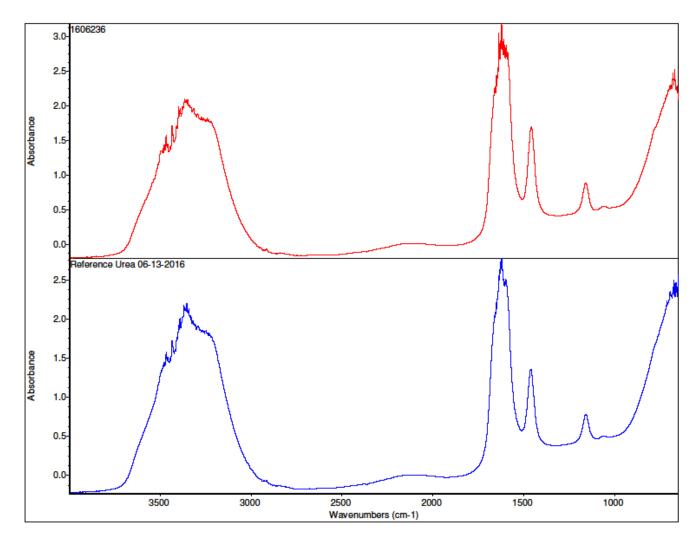
Diesel Exhaust Fluid per ISO 222411

| Characteristics | Unit | Test Methods | Lin | nits | Acceptance Range ² | | Peculto |
|-------------------------------|-------------------|--------------------------|--------------|-----------|-------------------------------|-----------|------------------------|
| | | | min. | max. | min. | max. | Results |
| Urea content | % (m/m) | ISO 22241-2 Annex C | 31.8 | 33.2 | 30.8 | 34.2 | 33.0 |
| Density at 20°C | kg/m ³ | ISO 3675 or ISO 12185 | 1087.0 | 1093.0 | 1086.5 | 1093.5 | 1091.4 |
| Refractive index at 20°C | | ISO 22241-2 Annex C | 1.3814 | 1.3843 | 1.3804 | 1.3853 | 1.3837 |
| Alkalinity as NH ₃ | %m/m | ISO 22241-2 Annex D | | 0.2 | | 0.24 | 0.04 |
| Biuret | %m/m | ISO 22241-2 Annex E | | 0.3 | | 0.34 | 0.16 |
| Aldehydes | mg/kg | ISO 22241-2 Annex F | | 5.0 | | 7.4 | 0.4 |
| Insoluble matter | mg/kg | ISO 22241-2 Annex G | | 20 | | 27.6 | 3.0 |
| Phosphate (PO ₄) | mg/kg | ISO 22241-2 Annex H | | 0.5 | | 0.53 | 0.03 |
| Calcium | mg/kg | ISO 22241-2 Annex I | | 0.5 | | 0.55 | 0.10 |
| 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 | 0.00 |
| 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 | 0.52 |
| Potassium | mg/kg | ISO 22241-2 Annex I | | 0.5 | | 0.75 | 0.26 |
| Identity | | ISO 22241-2 Annex J | Identical to | reference | Identical to | reference | Identical to Reference |

Sodium is higher than the spec limit but within the acceptance range for ISO22241;

 $^{^{2}}$ 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 2016. 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 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 LLC

Ed Eaton Chief Engineer