

Report Date 7/17/2024

6034 Corporate Dr. East Syracuse NY 13057 Web Site: Enalytic.com Ph:315-437-0255

PJLA Testing

ISO/IEC 17025:2017

Client: DEF Products, LLC
Contact Sharon Stegmuller
Address 422 East Barioni Blvd
Imperial, CA 02251
Email defproducts@gmail.com
Phone 760 355 7997

Enalytic ID	E2407045-001
Batch #	307102024P
TANK #	11
Sample ID	DEF 32.1%
Date Sampled	7/10/2024
Date Received	7/15/2024
ISO 17025	Certificate Number: L24-103

Certificate of Analysis

Diesel Exhaust Fluid Analytical ISO-22241

Client ID: 32.1% DEF TANK # 11 Batch # 307102024P

Test Parameter/Method	Units	Test	Acceptable	Results	Chemist	Analysis	Pass/
		Method (ISO) ¹	Limit ²			Date	Fail
Urea Content	wt%	22241-2 Annex C	31.8-33.2	31.8	SPT	7/17/2024	Pass
Refractive Index @ 20degC	N_D^{20}	22241-2 Annex C	1.3814-1.3843	1.3819	MDC	7/15/2024	Pass
Alkalinity as NH ₃	%	22241-2 Annex D	<0.2	0.05	MFB	7/17/2024	Pass
Biuret	%	22241-2 Annex E	<0.3	0.15	MDC	7/17/2024	Pass
Aldehyde	mg/kg	22241-2 Annex F	<5.0	<1.0	MFB	7/16/2024	Pass
Insolubles	mg/kg	22241-2 Annex G	<20	3.1	MFB	7/16/2024	Pass
Aluminum by ICP-OES	mg/kg	22241-2 Annex I	<0.5	<0.15	BDK	7/16/2024	Pass
Calcium by ICP-OES	mg/kg	22241-2 Annex I	<0.5	<0.15	BDK	7/16/2024	Pass
Chromium by ICP-OES	mg/kg	22241-2 Annex I	<0.2	<0.06	BDK	7/16/2024	Pass
Copper by ICP-OES	mg/kg	22241-2 Annex I	<0.2	<0.06	BDK	7/16/2024	Pass
Iron by ICP-OES	mg/kg	22241-2 Annex I	<0.5	<0.15	BDK	7/16/2024	Pass
Magnesium by ICP-OES	mg/kg	22241-2 Annex I	<0.5	<0.15	BDK	7/16/2024	Pass
Nickel by ICP-OES	mg/kg	22241-2 Annex I	<0.2	<0.06	BDK	7/16/2024	Pass
Phosphate by ICP-OES	mg/kg	22241-2 Annex I	<0.5	<0.46	BDK	7/16/2024	Pass
Potassium by ICP-OES	mg/kg	22241-2 Annex I	<0.5	<0.15	BDK	7/16/2024	Pass
Sodium by ICP-OES	mg/kg	22241-2 Annex I	<0.5	<0.15	BDK	7/16/2024	Pass
Zinc by ICP-OES	mg/kg	22241-2 Annex I	<0.2	<0.06	BDK	7/16/2024	Pass
	Mis	scellaneous Sec	ondary Unregula	ated Qualit	y Standards		
Identify by FTIR (attached) ³	Spectra	22241-2 Annex J	Control Match				
Density @ 20degC	g/cm ³	3675	Not Applicable	1.0889	MFB	7/17/2024	

Note 1: All ISO standards are up to date with the latest revisions.

Note 2: The acceptable values are based on the standard 32.5% unless otherwise stated, and are less than or equal to the values shown.

Note 3: ISO 17025 accreditation not applied for.

All procedures were conducted in accordance with Enalytic's Quality Control manual in its most current form and/or related procedures. The information contained in the analytical report represents only the materials tested and may not be reproduced except in full and without the written approval of the Technical Director of Enalytic Labs. Enalytic maintains a quality system in compliance with ISO17025:2017 with accreditations through Perry Johnson certificate #L24-103. All testing will be conducted in good faith by trained personnel equipped with the proper equipment and methodologies. Our liability will be limited to the cost of the services, including third-party charges. All test samples will be retained for a minimum of 3 months and/or extension by request. Fraudulent, false or statements of fiction are punishable by Federal Law. All samples received and reported above have been received in proper condition or as noted on the report.

Certification Approval

Laboratory Director: Anthony J Scala

Enalytic DUNS Reg. Number: 02-636-0096

Date: 7/17/2024



Report Date 7/19/2024

6034 Corporate Dr. East Syracuse NY 13057 Web Site: Enalytic.com Ph:315-437-0255

ISO/IEC 17025:2017

Client: DEF Products, LLC Contact Sharon Stegmuller Address 422 East Barioni Blvd Imperial, CA 02251 Email defproducts@gmail.com Phone 760 355 7997

Enalytic ID E2407050-001 Train # TILX220084 Batch # 307132024P T# 1&5 DEF 32.6% Sample ID Date Sampled 7/13/2024 Date Received 7/17/2024 ISO 17025 Certificate Number: L24-103

Quality: Excellent

Certificate of Analysis

Diesel Exhaust Fluid Analytical ISO-22241

Client ID: 32.6% DEF Train # TILX220084 T # 1&5 Batch # 307132024P

Test Parameter/Method	Units	Test	Acceptable	Results	Chemist	Analysis	Pass/
		Method (ISO) ¹	Limit ²			Date	Fail
Urea Content	wt%	22241-2 Annex C	31.8-33.2	32.4	SPT	7/19/2024	Pass
Refractive Index @ 20degC	N_D^{20}	22241-2 Annex C	1.3814-1.3843	1.3828	MFB	7/19/2024	Pass
Alkalinity as NH ₃	%	22241-2 Annex D	<0.2	0.06	MDC	7/18/2024	Pass
Biuret	%	22241-2 Annex E	<0.3	0.19	MDC	7/17/2024	Pass
Aldehyde	mg/kg	22241-2 Annex F	<5.0	<1.0	MFB	7/18/2024	Pass
Insolubles	mg/kg	22241-2 Annex G	<20	<2.5	MFB	7/18/2024	Pass
Aluminum by ICP-OES	mg/kg	22241-2 Annex I	<0.5	<0.15	BDK	7/17/2024	Pass
Calcium by ICP-OES	mg/kg	22241-2 Annex I	<0.5	<0.15	BDK	7/17/2024	Pass
Chromium by ICP-OES	mg/kg	22241-2 Annex I	<0.2	<0.06	BDK	7/17/2024	Pass
Copper by ICP-OES	mg/kg	22241-2 Annex I	<0.2	<0.06	BDK	7/17/2024	Pass
Iron by ICP-OES	mg/kg	22241-2 Annex I	<0.5	<0.15	BDK	7/17/2024	Pass
Magnesium by ICP-OES	mg/kg	22241-2 Annex I	<0.5	<0.15	BDK	7/17/2024	Pass
Nickel by ICP-OES	mg/kg	22241-2 Annex I	<0.2	<0.06	BDK	7/17/2024	Pass
Phosphate by ICP-OES	mg/kg	22241-2 Annex I	<0.5	<0.46	BDK	7/17/2024	Pass
Potassium by ICP-OES	mg/kg	22241-2 Annex I	<0.5	<0.15	BDK	7/17/2024	Pass
Sodium by ICP-OES	mg/kg	22241-2 Annex I	<0.5	<0.15	BDK	7/17/2024	Pass
Zinc by ICP-OES	mg/kg	22241-2 Annex I	<0.2	<0.06	BDK	7/17/2024	Pass
	Mi	scellaneous Sec	ondary Unregula	ated Qualit	y Standards		
Identify by FTIR (attached) ³	Spectra	22241-2 Annex J	Control Match				
Density @ 20degC	g/cm ³	3675	Not Applicable	1.0898	MFB	7/19/2024	

Density @ 20degC Not Applicable

Note 1: All ISO standards are up to date with the latest revisions.

Note 2: The acceptable values are based on the standard 32.5% unless otherwise stated, and are less than or equal to the values shown.

Note 3: ISO 17025 accreditation not applied for.

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Certification Approval

Laboratory Director: Anthony J Scala

Enalytic DUNS Reg. Number: 02-636-0096

Date: 7/19/2024



Report Date 7/24/2024

6034 Corporate Dr. East Syracuse NY 13057 Web Site: Enalytic.com Ph:315-437-0255

PJIA
Testing
ISO/IEC 17025:2017

Client: DEF Products, LLC
Contact Sharon Stegmuller
Address 422 East Barioni Blvd
Imperial, CA 02251
Email defproducts@gmail.com
Phone 760 355 7997

Certificate of Analysis

Diesel Exhaust Fluid Analytical ISO-22241

Client ID: 32.6% DEF GBRX716275 T # 3 & 4 TRC # 307172024L

Test Parameter/Method	Units	Test	Acceptable	Results	Chemist	Analysis	Pass/		
		Method (ISO) ¹	Limit ²			Date	Fail		
Urea Content	wt%	22241-2 Annex C	31.8-33.2	32.3	SPT	7/24/2024	Pass		
Refractive Index @ 20degC	N_D^{20}	22241-2 Annex C	1.3814-1.3843	1.3826	MDC	7/24/2024	Pass		
Alkalinity as NH ₃	%	22241-2 Annex D	<0.2	0.05	MFB	7/23/2024	Pass		
Biuret	%	22241-2 Annex E	<0.3	0.17	MDC	7/23/2024	Pass		
Aldehyde	mg/kg	22241-2 Annex F	<5.0	<1.0	MFB	7/22/2024	Pass		
Insolubles	mg/kg	22241-2 Annex G	<20	4.2	MFB	7/22/2024	Pass		
Aluminum by ICP-OES	mg/kg	22241-2 Annex I	<0.5	<0.15	BDK	7/22/2024	Pass		
Calcium by ICP-OES	mg/kg	22241-2 Annex I	<0.5	<0.15	BDK	7/22/2024	Pass		
Chromium by ICP-OES	mg/kg	22241-2 Annex I	<0.2	<0.06	BDK	7/22/2024	Pass		
Copper by ICP-OES	mg/kg	22241-2 Annex I	<0.2	<0.06	BDK	7/22/2024	Pass		
Iron by ICP-OES	mg/kg	22241-2 Annex I	<0.5	<0.15	BDK	7/22/2024	Pass		
Magnesium by ICP-OES	mg/kg	22241-2 Annex I	<0.5	<0.15	BDK	7/22/2024	Pass		
Nickel by ICP-OES	mg/kg	22241-2 Annex I	<0.2	<0.06	BDK	7/22/2024	Pass		
Phosphate by ICP-OES	mg/kg	22241-2 Annex I	<0.5	<0.46	BDK	7/22/2024	Pass		
Potassium by ICP-OES	mg/kg	22241-2 Annex I	<0.5	0.15	BDK	7/22/2024	Pass		
Sodium by ICP-OES	mg/kg	22241-2 Annex I	<0.5	0.15	BDK	7/22/2024	Pass		
Zinc by ICP-OES	mg/kg	22241-2 Annex I	<0.2	<0.06	BDK	7/22/2024	Pass		
Miscellaneous Secondary Unregulated Quality Standards									
Identify by FTIR (attached) ³	Spectra	22241-2 Annex J	Control Match						
Density @ 20degC	g/cm ³	3675	Not Applicable	1.0904	MFB	7/24/2024			

Note 1: All ISO standards are up to date with the latest revisions.

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Certification Approval _

Laboratory Director: Anthony J Scala

Enalytic DUNS Reg. Number: 02-636-0096

Date: 7/24/2024

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6034 Corporate Dr. East Syracuse NY 13057 Web Site: Enalytic.com Ph:315-437-0255

ISO/IEC 17025:2017

Enalytic ID E2407071-001

TANK #

TRC# 307222024T

TANKS# 1&2

Date Received

Sample ID DEF 31.9% Date Sampled 7/22/2024

7/25/2024 ISO 17025 Certificate Number: L24-103

Client: DEF Products, LLC Contact Sharon Stegmuller Address 422 East Barioni Blvd Imperial, CA 02251 Email defproducts@gmail.com Phone 760 355 7997 Report Date 7/29/2024

Certificate of Analysis

Diesel Exhaust Fluid Analytical ISO-22241

Client ID: 31.9% DEF TANK # 8 TANKS # 1&2 TRC # 307222024T

Test Parameter/Method	Units	Test	Acceptable	Results	Chemist	Analysis	Pass/		
		Method (ISO) ¹	Limit ^{2,4}			Date	Fail		
Urea Content	wt%	22241-2 Annex C	('31.6-33.4)	31.8	SPT	7/29/2024	Pass		
Refractive Index @ 20degC	N_D^{20}	22241-2 Annex C	1.3814-1.3843	1.3819	MDC	7/26/2024	Pass		
Alkalinity as NH ₃	%	22241-2 Annex D	<0.2	0.03	MFB	7/26/2024	Pass		
Biuret	%	22241-2 Annex E	<0.3	0.15	MDC	7/25/2024	Pass		
Aldehyde	mg/kg	22241-2 Annex F	<5.0	<1.0	MFB	7/25/2024	Pass		
Insolubles	mg/kg	22241-2 Annex G	<20	<2.5	MFB	7/25/2024	Pass		
Aluminum by ICP-OES	mg/kg	22241-2 Annex I	<0.5	<0.15	BDK	7/25/2024	Pass		
Calcium by ICP-OES	mg/kg	22241-2 Annex I	<0.5	<0.15	BDK	7/25/2024	Pass		
Chromium by ICP-OES	mg/kg	22241-2 Annex I	<0.2	<0.06	BDK	7/25/2024	Pass		
Copper by ICP-OES	mg/kg	22241-2 Annex I	<0.2	<0.06	BDK	7/25/2024	Pass		
Iron by ICP-OES	mg/kg	22241-2 Annex I	<0.5	<0.15	BDK	7/25/2024	Pass		
Magnesium by ICP-OES	mg/kg	22241-2 Annex I	<0.5	<0.15	BDK	7/25/2024	Pass		
Nickel by ICP-OES	mg/kg	22241-2 Annex I	<0.2	<0.06	BDK	7/25/2024	Pass		
Phosphate by ICP-OES	mg/kg	22241-2 Annex I	<0.5	<0.46	BDK	7/25/2024	Pass		
Potassium by ICP-OES	mg/kg	22241-2 Annex I	<0.5	<0.15	BDK	7/25/2024	Pass		
Sodium by ICP-OES	mg/kg	22241-2 Annex I	<0.5	0.40	BDK	7/25/2024	Pass		
Zinc by ICP-OES	mg/kg	22241-2 Annex I	<0.2	<0.06	BDK	7/25/2024	Pass		
Miscellaneous Secondary Unregulated Quality Standards									
Identify by FTIR (attached) ³	Spectra	22241-2 Annex J	Control Match						
Density @ 20degC	g/cm ³	3675	Not Applicable	1.0889	MFB	7/29/2024			

Note 1: All ISO standards are up to date with the latest revisions.

Note 2: The acceptable values are based on the standard 32.5% unless otherwise stated, and are less than or equal to the values shown.

Note 3: ISO 17025 accreditation not applied for.

Note 4: The ISO 22241 acceptable limit plus reproducibility for Urea Content is shown in parentheses and is less than or equal to the value shown.

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Certification Approval

Laboratory Director: Anthony J Scala

Enalytic DUNS Reg. Number: 02-636-0096

Date:

Page 1 of 1

7/29/2024



6034 Corporate Dr. East Syracuse NY 13057

Web Site: Enalytic.com

Client: DEF Products, LLC
Contact Sharon Stegmuller
Address 422 East Barioni Blvd
Imperial, CA 02251
Email defproducts@gmail.com
Phone 760 355 7997
Report Date 7/30/2024

Phone: 315 437 0255

Enalytic ID	E2407072-002
TRAIN#	UTLX647621
TRC #	307242024M
TANK#	5
Sample ID	DEF 40%
Date Sampled	7/24/2024
Date Received	7/26/2024

Certificate of Analysis

Diesel Exhaust Fluid Analytical ISO-22241

Client ID: 40% DEF TRAIN # UTLX647621 TANK # 5 TRC # 307242024M

Test Parameter/Method	Units	Test	Acceptable	Results	Chemist	Analysis	Pass/		
		Method (ISO) ¹	Limit ²			Date	Fail		
Urea Content	wt%	22241-2 Annex C	39.1-40.8	39.7	SPT	7/30/2024			
Refractive Index @ 20degC	N_D^{20}	22241-2 Annex C	1.3917-1.3982	1.3949	MDC	7/26/2024			
Alkalinity as NH ₃	%	22241-2 Annex D	<0.4	0.10	MFB	7/26/2024			
Biuret	%	22241-2 Annex E	<0.4	0.21	MDC	7/29/2024			
Aldehyde	mg/kg	22241-2 Annex F	<6	<1.0	MFB	7/29/2024			
Insolubles	mg/kg	22241-2 Annex G	<25	<2.5	MFB	7/26/2024			
Aluminum by ICP-OES	mg/kg	22241-2 Annex I	<0.6	<0.15	BDK	7/26/2024			
Calcium by ICP-OES	mg/kg	22241-2 Annex I	<0.6	<0.15	BDK	7/26/2024			
Chromium by ICP-OES	mg/kg	22241-2 Annex I	<0.3	<0.06	BDK	7/26/2024			
Copper by ICP-OES	mg/kg	22241-2 Annex I	<0.3	<0.06	BDK	7/26/2024			
Iron by ICP-OES	mg/kg	22241-2 Annex I	<0.6	<0.15	BDK	7/26/2024			
Magnesium by ICP-OES	mg/kg	22241-2 Annex I	<0.6	<0.15	BDK	7/26/2024			
Nickel by ICP-OES	mg/kg	22241-2 Annex I	<0.3	<0.06	BDK	7/26/2024			
Phosphate by ICP-OES	mg/kg	22241-2 Annex I	<0.6	<0.46	BDK	7/26/2024			
Potassium by ICP-OES	mg/kg	22241-2 Annex I	<0.6	<0.15	BDK	7/26/2024			
Sodium by ICP-OES	mg/kg	22241-2 Annex I	<0.6	0.36	BDK	7/26/2024			
Zinc by ICP-OES	mg/kg	22241-2 Annex I	<0.3	<0.06	BDK	7/26/2024			
Miscellaneous Secondary Unregulated Quality Standards									
Identify by FTIR (attached)	Spectra	22241-2 Annex J	Control Match						
Density @ 20degC	g/cm ³	3675	Not Applicable	1.1159	MFB	7/29/2024			

Note 1: All ISO standards are up to date with the latest revisions.

Note 2: The acceptable values are based on the standard 32.5% unless otherwise stated, and are less than or equal to the values shown.

"The undersigned certifies that the value(s) reported have met the highest analytical quality control standards."

Certification Approval

Laboratory Director: Anthony J Scala

Date: 7/30/2024

Enalytic DUNS Reg. Number: 02-636-0096



Report Date 7/31/2024

6034 Corporate Dr. East Syracuse NY 13057 Web Site: Enalytic.com Ph:315-437-0255

ISO/IEC 17025:2017

Client: DEF Products, LLC Contact Sharon Stegmuller Address 422 East Barioni Blvd Imperial, CA 02251 Email defproducts@gmail.com Phone 760 355 7997

Enalytic ID E2407073-001 TILX263707 TRC# 307252024L TANK# 4 & 1 Sample ID DEF 32.8% Date Sampled 7/25/2024 Date Received 7/29/2024 Certificate Number: L24-103 ISO 17025

Certificate of Analysis

Diesel Exhaust Fluid Analytical ISO-22241

Client ID: 32.8% DEF TILX263707 TANK # 4 & 1 TRC # 307252024L

Test Parameter/Method	Units	Test	Acceptable	Results	Chemist	Analysis	Pass/		
		Method (ISO) ¹	Limit ²			Date	Fail		
Urea Content	wt%	22241-2 Annex C	31.8-33.2	32.6	SPT	7/31/2024	Pass		
Refractive Index @ 20degC	N_D^{20}	22241-2 Annex C	1.3814-1.3843	1.3832	MDC	7/31/2024	Pass		
Alkalinity as NH ₃	%	22241-2 Annex D	<0.2	0.09	MDC	7/30/2024	Pass		
Biuret	%	22241-2 Annex E	<0.3	0.19	MDC	7/29/2024	Pass		
Aldehyde	mg/kg	22241-2 Annex F	<5.0	<1.0	MFB	7/29/2024	Pass		
Insolubles	mg/kg	22241-2 Annex G	<20	<2.5	MFB	7/30/2024	Pass		
Aluminum by ICP-OES	mg/kg	22241-2 Annex I	<0.5	<0.15	BDK	7/30/2024	Pass		
Calcium by ICP-OES	mg/kg	22241-2 Annex I	<0.5	<0.15	BDK	7/30/2024	Pass		
Chromium by ICP-OES	mg/kg	22241-2 Annex I	<0.2	<0.06	BDK	7/30/2024	Pass		
Copper by ICP-OES	mg/kg	22241-2 Annex I	<0.2	<0.06	BDK	7/30/2024	Pass		
Iron by ICP-OES	mg/kg	22241-2 Annex I	<0.5	<0.15	BDK	7/30/2024	Pass		
Magnesium by ICP-OES	mg/kg	22241-2 Annex I	<0.5	<0.15	BDK	7/30/2024	Pass		
Nickel by ICP-OES	mg/kg	22241-2 Annex I	<0.2	<0.06	BDK	7/30/2024	Pass		
Phosphate by ICP-OES	mg/kg	22241-2 Annex I	<0.5	<0.46	BDK	7/30/2024	Pass		
Potassium by ICP-OES	mg/kg	22241-2 Annex I	<0.5	<0.15	BDK	7/30/2024	Pass		
Sodium by ICP-OES	mg/kg	22241-2 Annex I	<0.5	0.37	BDK	7/30/2024	Pass		
Zinc by ICP-OES	mg/kg	22241-2 Annex I	<0.2	<0.06	BDK	7/30/2024	Pass		
Miscellaneous Secondary Unregulated Quality Standards									
Identify by FTIR (attached) ³	Spectra	22241-2 Annex J	Control Match						
Density @ 20degC	g/cm ³	3675	Not Applicable	1.0899	MFB	7/31/2024			

Miscellaneous Secondary Unregulated Quality Standards								
Identify by FTIR (attached) ³ Spec	tra	22241-2 Annex J	Control Match					
Density @ 20degC g/cl	1 ³	3675	Not Applicable	1.0899	MFB	7/31/2024		

Note 1: All ISO standards are up to date with the latest revisions.

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Certification Approval

Laboratory Director: Anthony J Scala

Enalytic DUNS Reg. Number: 02-636-0096

Date: 7/31/2024



Report Date 8/6/2024

6034 Corporate Dr. East Syracuse NY 13057 Web Site: Enalytic.com Ph:315-437-0255

PJIA
Testing
ISO/IEC 17025:2017

Client: DEF Products, LLC
Contact Sharon Stegmuller
Address 422 East Barioni Blvd
Imperial, CA 02251
Email defproducts@gmail.com
Phone 760 355 7997

Enalytic ID E2408003-001 TRAIN# GBRX16285 TRC# 307312024P TANK# 5&3 Sample ID DEF 32.3% Date Sampled 7/31/2024 Date Received 8/2/2024 Certificate Number: L24-103 ISO 17025

Certificate of Analysis

Diesel Exhaust Fluid Analytical ISO-22241

Client ID: 32.3% DEF TRAIN # GBRX16285 TANK # 5&3 TRC # 307312024P

Test Parameter/Method	Units	Test	Acceptable	Results	Chemist	Analysis	Pass/		
		Method (ISO) ¹	Limit ²			Date	Fail		
Urea Content	wt%	22241-2 Annex C	31.8-33.2	32.1	MFB	8/6/2024	Pass		
Refractive Index @ 20degC	N_D^{20}	22241-2 Annex C	1.3814-1.3843	1.3824	MDC	8/6/2024	Pass		
Alkalinity as NH ₃	%	22241-2 Annex D	<0.2	0.09	MFB	8/2/2024	Pass		
Biuret	%	22241-2 Annex E	<0.3	0.17	MDC	8/2/2024	Pass		
Aldehyde	mg/kg	22241-2 Annex F	<5.0	1.4	MFB	8/5/2024	Pass		
Insolubles	mg/kg	22241-2 Annex G	<20	<2.5	MFB	8/5/2024	Pass		
Aluminum by ICP-OES	mg/kg	22241-2 Annex I	<0.5	<0.15	BDK	8/5/2024	Pass		
Calcium by ICP-OES	mg/kg	22241-2 Annex I	<0.5	<0.15	BDK	8/5/2024	Pass		
Chromium by ICP-OES	mg/kg	22241-2 Annex I	<0.2	<0.06	BDK	8/5/2024	Pass		
Copper by ICP-OES	mg/kg	22241-2 Annex I	<0.2	<0.06	BDK	8/5/2024	Pass		
Iron by ICP-OES	mg/kg	22241-2 Annex I	<0.5	<0.15	BDK	8/5/2024	Pass		
Magnesium by ICP-OES	mg/kg	22241-2 Annex I	<0.5	<0.15	BDK	8/5/2024	Pass		
Nickel by ICP-OES	mg/kg	22241-2 Annex I	<0.2	<0.06	BDK	8/5/2024	Pass		
Phosphate by ICP-OES	mg/kg	22241-2 Annex I	<0.5	<0.46	BDK	8/5/2024	Pass		
Potassium by ICP-OES	mg/kg	22241-2 Annex I	<0.5	<0.15	BDK	8/5/2024	Pass		
Sodium by ICP-OES	mg/kg	22241-2 Annex I	<0.5	1.3	BDK	8/5/2024	Fail		
Zinc by ICP-OES	mg/kg	22241-2 Annex I	<0.2	<0.06	BDK	8/5/2024	Pass		
Miscellaneous Secondary Unregulated Quality Standards									
Identify by FTIR (attached) ³	Spectra	22241-2 Annex J	Control Match						
Density @ 20degC	g/cm ³	3675	Not Applicable	1.0884	MFB	8/2/2024			

Note 1: All ISO standards are up to date with the latest revisions.

Note 2: The acceptable values are based on the standard 32.5% unless otherwise stated, and are less than or equal to the values shown.

Note 3: ISO 17025 accreditation not applied for.

All procedures were conducted in accordance with Enalytic's Quality Control manual in its most current form and/or related procedures. The information contained in the analytical report represents only the materials tested and may not be reproduced except in full and without the written approval of the Technical Director of Enalytic Labs. Enalytic maintains a quality system in compliance with ISO17025:2017 with accreditations through Perry Johnson certificate #L24-103. All testing will be conducted in good faith by trained personnel equipped with the proper equipment and methodologies. Our liability will be limited to the cost of the services, including third-party charges. All test samples will be retained for a minimum of 3 months and/or extension by request. Fraudulent, false or statements of fiction are punishable by Federal Law. All samples received and reported above have been received in proper condition or as noted on the report.

Certification Approval

Laboratory Director: Anthony J Scala

Enalytic DUNS Reg. Number: 02-636-0096

Date: 8/6/2024

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