

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

Analytic ID	E1806020-001
Batch Number	303212018
Train Number	AEX13715
Sample ID	40.2
Date Sampled	6/7/2018
Date Received	6/8/2018
Report Date	6/11/2018

Certificate of Analysis

Analytical ISO-22241

Client ID: 40.2 Batch# 303212018 Train# AEX13715

Test Parameter/Method	Units	Test Method (ISO)	Results	Chemist	Analysis Date
Urea Content	wt%	22241-2 Annex C	40.5	SPT	6/11/2018
Density @ 20degC	g/cm ³	3675	1.1200	SPT	6/11/2018
Refractive Index @ 20degC	N _D ²⁰	22241-2 Annex C	1.3952	SPT	6/11/2018
Alkalinity as NH ₃	%	22241-2 Annex D	0.03	CLB	6/11/2018
Biuret	%	22241-2 Annex E	0.28	CLB	6/11/2018
Aldehyde	mg/kg	22241-2 Annex F	<1.0	CLB	6/8/2018
Insolubles	mg/kg	22241-2 Annex G	26	CLB	6/11/2018
Phosphate	mg/kg	22241-2 Annex H	<0.25	CLB	6/11/2018
Calcium by ICP-OES	mg/kg	22241-2 Annex I	0.39	BDK	6/8/2018
Iron by ICP-OES	mg/kg	22241-2 Annex I	<0.05	BDK	6/8/2018
Copper by ICP-OES	mg/kg	22241-2 Annex I	<0.02	BDK	6/8/2018
Zinc by ICP-OES	mg/kg	22241-2 Annex I	<0.02	BDK	6/8/2018
Chromium by ICP-OES	mg/kg	22241-2 Annex I	<0.02	BDK	6/8/2018
Nickel by ICP-OES	mg/kg	22241-2 Annex I	<0.02	BDK	6/8/2018
Aluminum by ICP-OES	mg/kg	22241-2 Annex I	<0.05	BDK	6/8/2018
Magnesium by ICP-OES	mg/kg	22241-2 Annex I	0.06	BDK	6/8/2018
Sodium by ICP-OES	mg/kg	22241-2 Annex I	0.29	BDK	6/8/2018
Potassium by ICP-OES	mg/kg	22241-2 Annex I	0.10	BDK	6/8/2018
Identity by FTIR (attached)	Spectra	22241-2 Annex J	Reference Match	BDK	6/11/2018

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

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

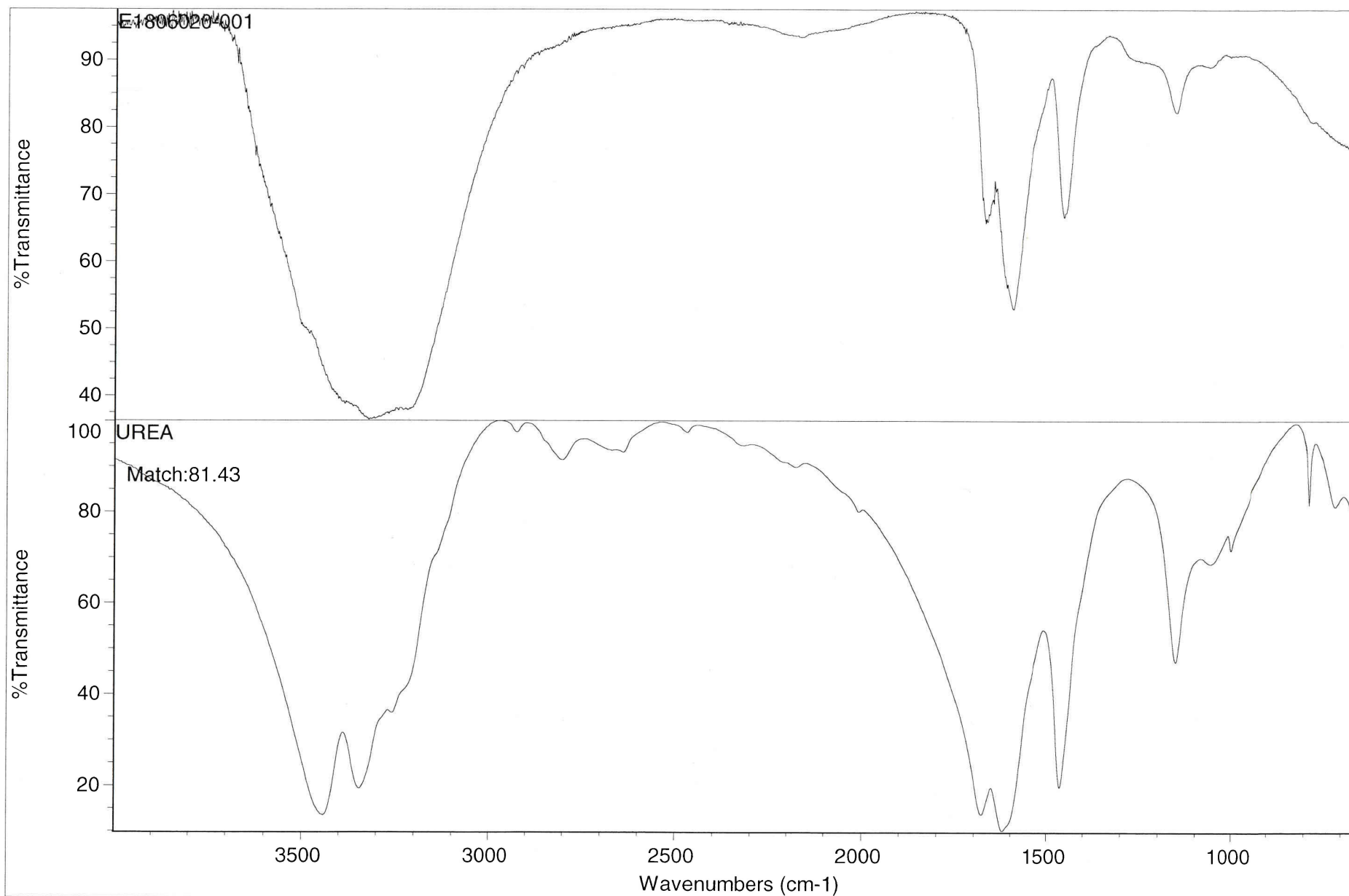
Certification Approval 

Laboratory Director: Anthony J Scala

Enalytic FDA Reg. Number: 02-636-0096

Date: 6/11/2018

Search results for: E1806020-001
Date: Mon Jun 11 15:49:13 2018 (GMT-04:00)
Search algorithm: Search Expert
Regions searched: 2600.00-450.00



Chain of Custody Record

6034 Corporate Drive, East Syracuse, NY 13057
Phone: 315.437.0255 Fax: 315.437.1209

Quote Number:

Client:		Project #/ Project Name					Number of Containers	1	2	3	4	5	6	7	8	9	10	Remarks
DEF Products, LLC		ISO 22241 DEF Testing																
Client Contact:	Phone #	Location (City/State)																
Sharon Stegmuller	(760) 355-7997	422 E. Barioni Blvd., Imperial CA																
Sample ID	Date	Time	Matrix	Grab or Comp	Lab Internal Use Only													
Batch # 303212018	6/7/2018	N/A	Liquid	Comp	E1806020		1	x	x	x	x	x	x	x	x	x	x	
Train # AEX13715																		
PERCENT DEF 40.2%																		
Parameter and Method	Sample bottle:	Type	Size	Preservative	Sampled by (Print)				Name of Courier									
1 Urea Content		HDPE	500 ml	None	Company: DEF Products, LLC				FedEx First Overnight									
2 Refractive Index @ 20degC					Relinquished by: (sign)				Date	Time	Received by: (sign)							
3 Density @ 20degC					DEF Products, LLC													
4 Alkalinity (as NH3)					Relinquished by: (sign)				Date	Time	Received by: (sign)							
5 Biuret																		
6 Aldehydes																		
7 Insolubles																		
8 Phosphate					Relinquished by: (sign)				Date	Time	Rec'd for Lab by:							
9 Total Metals: Al,Ca,Cr,Cu,Fe,K,Mg,Ni,Na,Zn.									6/8/18	8:35 am	C. Scala							
10 FTIR																		