

BLENDING LOG 32.5% D.E.F.

Calibrated Lab Instruments - Date: 6-18 Time: 10:30 Signed: [Signature] Date: [Blank]

Change Bag Filter

Weight / lbs UREA % Ref Index Density To Tank # Gauge Start / Finish Total Volume

2110 32.7 1.3321 10.995 4 1977 4124 2154

2153 24.8 2153 2153 2153 2153 2153 2153

2153 24.8 2153 2153 2153 2153 2153 2153

TEST AT 39 Deg Celsius

Density / Temp To Tank # Gauge Start / Finish Gallons

10.982/20 4 4124 6302 2218



DEF Specifications I (Specification No. ISO 22241)

PARAMETER	VALUE	UNIT
Urea	32.5 + 0.7	weight %
Density (@77° F)	9.05 - 9.09	lbs/gals
Refractive Index (@77° F)	1.2814 - 1.3843	
Alkalinity as NH3	<0.1	weight %
Biuret	<0.3	mg/kg
Aldehyde	<5	mg/kg
Insolubles	<20	mg/kg
Phosphate (P04)	<0.5	mg/kg
Calcium	<0.5	mg/kg
Iron	<0.5	mg/kg
Copper	<0.2	mg/kg
Zinc	<0.2	mg/kg



DEF Specifications II (Specification No. ISO 22241)

PARAMETER	VALUE	UNIT
Chromium	<0.2	mg/kg
Nickel	<0.2	mg/kg
Aluminium	1.2814 - 1.3843	mg/kg
Magnesium	<0.5	mg/kg
Sodium	<0.5	mg/kg
Potassium	<0.5	mg/kg
Density at 20° C (= +69° F) 1.0870-1.0930 g/cm ³ Refractive Index at 20° C 1.3814-1.3843 Appearance: Colorless, clear liquid		

BLENDING LOG 32.5% D.E.F.

Calibrated Lab Instruments - Date: 6-18 Time: 10:30 Signed: [Signature] Date: [Blank]

Change Bag Filter

Urea Bag Lot #

Weight / Bag

UREA %

Ref Index

Density

To Tank #

Gauge Start / Finish

Total Gallons

DATE

Batch #

Water (gals)

Urea Bag Lot #

Weight / Bag

UREA %

Ref Index

Density

To Tank #

Gauge Start / Finish

Total Gallons

TEST AT 39 Deg Celsius

Ref Index

Density / Temp

To Tank #

Gauge Start / Finish

Total Gallons



Handling / Dispensing / Storing

PARAMETER	VALUE	UNIT
Urea	32.5 + 0.7	wight %
Destiny (@77° F)	9.05 - 9.09	lbs/gals
Refractive Index (@77° F)	1.2814 - 1.3843	

Determines Shelf Life

Alkalinity as NH3

<0.1

weight %

Clogs Spray Nozzle

Insolubles

<20

mg/kg

Calcium

<0.5

mg/kg

Magnesium

<0.5

mg/kg

Forms gummy deposit
in exhaust pipe

Aldehyde

<5

mg/kg

Sodium

<0.5

mg/kg

Potassium

<0.5

mg/kg

Phosphate (P04)

<0.5

mg/kg

Biuret

<0.3

weight %

Damages catalyst

Aluminium

<0.5

mg/kg

Iron

<0.5

mg/kg

Copper

<0.2

mg/kg

Zinc

<0.2

mg/kg

Chromium

<0.2

mg/kg

Nickel

<0.2

mg/kg