

# Inspection Record (Final Product)

Product name: FARMIN M2 1095  
 Lot number: ACF41023  
 Sub number: T-237 / 0500H  
 Batch size: THOR  
 Date of blending: 2013/06/28  
 Date of analysis: 2013/06/28

*ok  
for use*

Judgment	Inspector	Administrator
Passed	OSB/JRA/LNG	<i>for MVAR</i>

Analysis Item	Unit	Specification		Result
Appearance		Clear Liquid		Passed
Color	APHA	30 MAX		Less than 5
Color	Hazen	30.0	Max	
Total Amine Value	mg KOH/g	172.0	- 182.0	179.2
1 & 2 Amine	%	1.00	Max	0.02
Tertiary Amine	%	97.0	Min	99.9
Moisture	%	0.20	Max	0.03
Acid Test (R)				4.3
Acid Test (Y)				0.0
RCHO Total	%			0.00
ROH Total	%			0.00
Tri-alkyl Total	%	0.20	Max	0.00
Wax Total	%	0.20	Max	0.08
Guerbet total	%			0.12
MonoAlkyl Total	%	0.20	Max	0.00
FDM Total	%			0.00
FM Total	%			0.00
FD Total	%			0.05
1&2 Amine Value	mg KOH/g			
Acid Value	mg KOH/g			
Alkyl Composition				
C-14	%			0.00
GC-15	%			0.00
C-16	%			0.00
GC-17	%			0.00
C-18	%			0.04
GC-19	%			0.05
C-20	%			99.09
GC-21	%			0.17
GC-22	%			0.34
GC-24	%			0.00
C08-C08	%			0.0
C08-C10	%			0.0
C10-C10	%	97.0	Min	99.4
C10-C12	%			0.3

# Inspection Record (Final Product)

Product name: FARMIN M2 1095  
Lot number: ACF41023  
Sub number: T-237 / 0500H  
Batch size:  
Date of blending: 2013/06/28  
Date of analysis: 2013/06/28

Judgment	Inspector	Administrator
Passed		

Analysis Item	Unit	Specification	Result
C12-C12	%		0.0
Others	%		0.3
Total DAMA	%	97.0 Min	99.7

# Inspection Record (Final Product)

Product name: FARMIN M2 1095  
 Lot number: ACF41024  
 Sub number: T-237 / 0500H  
 Batch size: *1118R*  
 Date of blending: 2013/06/29  
 Date of analysis: 2013/06/29

*ok  
found*

Judgment	Inspector	Administrator
Passed	OSB, LGA, NCT	<i>MR</i>

Analysis Item	Unit	Specification			Result
		Clear Liquid			Passed
Appearance		30 MAX			Less than 5
Color	APHA	30.0	Max		179.5
Color	Hazen	172.0	-	182.0	0.00
Total Amine Value	mg KOH/g	1.00	Max		99.9
1 & 2 Amine	%	97.0	Min		0.05
Tertiary Amine	%	0.20	Max		5.4
Moisture	%				0.0
Acid Test (R)					0.00
Acid Test (Y)					0.04
RCHO Total	%				0.00
ROH Total	%	0.20	Max		0.10
Tri-alkyl Total	%	0.20	Max		0.11
Wax Total	%				0.06
Guerbet total	%	0.20	Max		0.00
MonoAlkyl Total	%				0.00
FDM Total	%				0.06
FM Total	%				0.00
FD Total	%				0.01
1&2 Amine Value	mg KOH/g				
Acid Value	mg KOH/g				0.00
Alkyl Composition	%				0.00
C-14	%				0.02
GC-15	%				0.00
C-16	%				0.05
GC-17	%				0.05
C-18	%				99.13
GC-19	%				0.16
C-20	%				0.16
GC-21	%				0.00
GC-22	%				0.0
GC-24	%				0.0
C08-C08	%				99.6
C08-C10	%	97.0	Min		0.2
C10-C10	%				
C10 - C12	%				

# Inspection Record (Final Product)

Product name: FARMIN M2 1095  
Lot number: ACF41024  
Sub number: T-237 / 0500H  
Batch size:  
Date of blending: 2013/06/29  
Date of analysis: 2013/06/29

Judgment	Inspector	Administrator
Passed		

Analysis Item	Unit	Specification	Result
C12-C12	%		
Others	%		
Total DAMA	%	97.0 Min	0.0 0.2 99.6

# Inspection Record (Final Product)

Product name: FARMIN M2 1095  
 Lot number: ACG41025  
 Sub number: T-237 / 0500H  
 Batch size: THW  
 Date of blending: 2013/06/30  
 Date of analysis: 2013/06/30

ok  
fn

Judgment	Inspector	Administrator
Passed	JFJP / VJA / LGA	yes MVZ

Analysis Item	Unit	Specification		Result
Appearance		Clear Liquid		Passed
		30 MAX		Less than 5
Color	APHA	30.0	Max	
Color	Hazen	172.0	-	182.0
Total Amine Value	mg KOH/g	1.00	Max	0.12
1 & 2 Amine	%	97.0	Min	99.9
Tertiary Amine	%	0.20	Max	0.04
Moisture				9.9
Acid Test (R)				0.0
Acid Test (Y)				0.02
RCHO Total	%			0.05
ROH Total	%	0.20	Max	0.02
Tri-alkyl Total	%	0.20	Max	0.08
Wax Total	%			0.12
Guerbet total	%	0.20	Max	0.07
MonoAlkyl Total	%			0.00
FDM Total	%			0.00
FM Total	%			0.15
FD Total	%			0.22
1&2 Amine Value	mg KOH/g			0.01
Acid Value	mg KOH/g			
Alkyl Composition				0.00
C-14	%			0.00
GC-15	%			0.00
C-16	%			0.00
GC-17	%			0.03
C-18	%			0.05
GC-19	%			99.08
C-20	%			0.17
GC-21	%			0.16
GC-22	%			0.00
GC-24	%			0.0
C08-C08	%			0.0
C08-C10	%	97.0	Min	99.5
C10-C10	%			0.2
C10-C12	%			

## Inspection Record (Final Product)

Product name: FARMIN M2 1095  
Lot number: ACG41025  
Sub number: T-237 / 0500H  
Batch size:  
Date of blending: 2013/06/30  
Date of analysis: 2013/06/30

Judgment	Inspector	Administrator
Passed	JFJP / VJA / LGA	

Analysis Item	Unit	Specification	Result
C12-C12	%		0.0
Others	%		0.3
Total DAMA	%	97.0 Min	99.5

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# Inspection Record (Final Product)

Product name: FARMIN DM 2098  
 Lot number: ACF12020  
 Sub number: 07:15 T-821  
 Batch size: *Kao Shenghan*  
 Date of blending: 2013/06/29  
 Date of analysis: 2013/06/29

*ok*  
*for use / dummy*

Judgment	Inspector	Administrator
Passed	JEC, NCT	<i>for</i> MVR

Analysis Item	Unit	Specification		Result
Appearance @ 25°C		Clear Liquid		Passed
Total Amine Value	mg KOH/g sple	254.0	- 265.0	259.7
1 & 2 Amine	%	0.30	Max	0.05
1&2 Amine Value	mg KOH/g sple			0.12
Tertiary Amine	%	98.0	Min	<del>100.0</del> 99.9 MVR
Moisture	%	0.20	Max	0.04
Color	APHA	30 MAX		Less than 5
Color	Hazen	30.0	Max	
Acid Value	mg KOH/g sple			0.12
Acid Test (R)		0.5	Max	0.0
Acid Test (Y)		0.5	Max	0.1
Iodine Value	g I2/100 g sple			
DM Total	%			98.87
M2 Total	%	0.20	Max	0.00
ROH Total	%	1.50	Max	1.06
FM Total	%			0.00
RCHO Total	%	0.03	Max	0.02
C-06	%			0.00
C-08	%			0.00
C-10	%			0.00
C-12	%			0.00
C-14	%			98.87
C-16	%			0.00
C-18	%			0.00
Alkyl Composition				
C-08 (Normalized)	%			0.0
C-10 (Normalized)	%	2.0	Max	0.0
C-12 (Normalized)	%	98.0	Min	100.0
C-14 (Normalized)	%	2.0	Max	0.0
C-16 (Normalized)	%			0.0
C-18 (Normalized)	%			0.0

# Inspection Record (Final Product)

Product name: FARMIN DM2465  
 Lot number: ACF33038  
 Sub number: T-813 / 2000H  
 Batch size: *KTC*  
 Date of blending: 2013/06/27  
 Date of analysis: 2013/06/28

*ok  
for us*

Judgment	Inspector	Administrator
Passed	OSB/JRA/LNG	<i>gls - MVZQ</i>

Analysis Item	Unit	Specification		Result
Appearance @ 25°C		Clear Liquid		Passed
Total Amine Value	mg KOH/g	243.0	- 256.0	248.1
1&2 Amine Value				0.19
1 & 2 Amine	%	0.30	Max	0.08
Tertiary Amine	%	98.0	Min	99.9
Moisture	%	0.20	Max	0.04
Color	APHA	30 MAX		Less than 5
Color	Hazen	30.0	Max	
Acid Value				0.26
Acid Test (R)		0.5	Max	0.0
Acid Test (Y)		0.5	Max	0.1
Iodine Value				
M2 Total	%	0.20	Max	0.00
ROH Total	%	1.50	Max	1.18
DM Total	%			98.71
Alkyl Composition				
C-08 (Normalized)	%			0.0
C-10 (Normalized)	%			0.0
C8 + C10 (Normalized)	%	2.0	Max	0.0
C-12 (Normalized)	%	62.0	- 68.0	66.3
C-14 (Normalized)	%	31.0	- 35.0	33.7
C-16 (Normalized)	%			0.0
C-18 (Normalized)	%			0.0
C16 + C18 (Normalized)	%	2.0	Max	0.0



# Inspection Record (Final Product)

Product name: FARMIN DM2468M  
 Lot number: ACF33213  
 Sub number: T-823 / 0100H  
 Batch size:  
 Date of blending: 2013/06/28  
 Date of analysis: 2013/06/28

*OK  
for*

Judgment	Inspector	Administrator
Passed	OSB/JRA/LNG	<i>MVZ</i>

Analysis Item	Unit	Specification		Result
Appearance		Clear Liquid		Clear Liquid
Total Amine Value	mg KOH/g	243.0	- 263.0	248.6
1&2 Amine Value				0.20
1 & 2 Amine	%	0.30	Max	0.08
Tertiary Amine	%	97.0	Min	99.9
Moisture	%	0.20	Max	0.05
Color	APHA	30 MAX		Less than 5
Color	Hazen	30.0	Max	
Acid Value				0.26
Acid Test (R)		0.5	Max	0.0
Acid Test (Y)		0.5	Max	0.2
Iodine Value				
Alkyl Composition				
C-06	%			
C-08	%			0.00
C-10	%			0.00
C-12	%			67.11
C-14	%			31.68
C-16	%			0.00
C-18	%			0.00
M2 Total	%	0.20	Max	0.00
ROH Total	%	1.50	Max	1.10
C-06 (Normalized)	%			
C-08 (Normalized)	%			0.0
C-10 (Normalized)	%			0.0
C-12 (Normalized)	%	65.0	- 71.0	67.9
C-14 (Normalized)	%	30.0	- 34.0	32.1
C-16 (Normalized)	%			0.0
C-18 (Normalized)	%			0.0

# Inspection Record (Final Product)

Product name: FARMIN DM2468M  
 Lot number: ACG33214  
 Sub number: T-823 / 2303H  
 Batch size:  
 Date of blending: 2013/06/30  
 Date of analysis: 2013/06/30

*ok  
for use*

Judgment	Inspector	Administrator
Passed	JFJP, VBJA	<i>1/20</i> MNZL

Analysis Item	Unit	Specification		Result
Appearance @ 25°C		Clear Liquid		Passed
Total Amine Value	mg KOH/g	243.0	- 263.0	248.5
1&2 Amine Value				0.11
1 & 2 Amine	%	0.30	Max	0.04
Tertiary Amine	%	97.0	Min	99.9
Moisture	%	0.20	Max	0.02
Color	APHA	30 MAX		Less than 5
Color	Hazen	30.0	Max	
Acid Value				0.22
Acid Test (R)		0.5	Max	0.0
Acid Test (Y)		0.5	Max	0.1
Iodine Value				
Alkyl Composition				
C-06	%			
C-08	%			0.00
C-10	%			0.00
C-12	%			67.04
C-14	%			31.58
C-16	%			0.00
C-18	%			0.00
M2 Total	%	0.20	Max	0.00
ROH Total	%	1.50	Max	1.08
C-06 (Normalized)	%			
C-08 (Normalized)	%			0.0
C-10 (Normalized)	%			0.0
C-12 (Normalized)	%	65.0	- 71.0	68.0
C-14 (Normalized)	%	30.0	- 34.0	32.0
C-16 (Normalized)	%			0.0
C-18 (Normalized)	%			0.0