

## Certificate of Analysis

Date : 29 SEPTEMBER, 2013  
Product : FATTY ALCOHOL C12-14 ✓  
Batch No. : M13246012W ✓  
Manufacturing Date : 03 SEPTEMBER, 2013 ✓  
Expiry Date : 02 SEPTEMBER, 2015 ✓

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<u>Test</u>	<u>Result</u>	<u>Spec</u>
Acid value (mgKOH/g) :	0.01 ✓	0.1 max
Saponification value (mgKOH/g) :	0.15 ✓	0.5 max
Hydroxyl Value (mgKOH/g) :	290 ✓	285 – 295
Water (Karl Fischer) % :	0.05 ✓	0.1 max
Colour APHA :	2.5 ✓	10 max
<b>Chain distribution %</b>		
C10 :	0.3 ✓	2 max
C12 :	73.7 ✓	68 – 78
C14 :	25.1 ✓	20 – 30
C16 :	0.4 ✓	2 max
Iodine value (%) :	0.02 ✓	0.3 max
Solidification range (deg C) :	21.5 ✓	17 – 23
Hydrocarbon :	0.27 ✓	1.0 max