

## CERTIFICATE OF ANALYSIS

**Product:** Metanol Fat 200L/165Kg (1044)  
**Batch Number:** 6090153  
**Date of Manufacture:** 2016-01-19  
**Used Before:** 2017-12-31

Analysis	Method	Specification	Results	Unit
Methanol content	GC	≥99,85	>99,85	% w/w
Water content	ASTM E 203	≤0,1	<0,1	% w/w
Density (20 °C)		0,790-0,794	Confirms	g/cm <sup>3</sup>
Refractive index (20 °C)		1,328-1,331	Confirms	
Colour (Hazen)	ASTM D 1209	≤ 10	≤ 10	
Flash Point	ASTM D 56	11	11	°C
Distillation range	ASTM D 1078	1,5 °C (including 64,6 °C)	Confirms	
Non-volatile matters	ASTM D 1353	≤ 8	2	mg/L
Acidity (As acetic acid)	ASTM D 1613	≤ 30	≤ 30	ppm
Permanganate time (15 °C)		> 50	> 50	Minutes
Carbonizables (Sulfuric acid wash test)	ASTM E 346	≤ 50	≤ 50	Pt-Co scale
Hydrocarbons	ASTM D 1722	Passes the test	Confirms	-
Acetone content	AC	≤ 30	≤ 30	ppm
Aldehyde	IMPCA 001-14	-	< 1	mg/kg
Free alkali (as NH <sub>3</sub> )	IUPAC	≤ 0,8	< 0,1	ppm

Solveco AB  
 Stockholm 2016-01-29



**Yashar Karimian**