

# BRENNTAG

Brenntag Mid-South  
St. Louis, MO

## CERTIFICATE OF LOT ANALYSIS

QC STATUS **PASS**  
MEETS ALL SPECIFICATIONS

PRODUCT CODE 480840

PRODUCT IDENTITY **METHANOL**

PO#

B/L#

CUSTOMER

SHIP DATE

TANK LOT NUMBER 679167271

**838775679212141**  
DRUM LOT NUMBER

<u>PHYSICAL PROPERTY</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>	<u>METHOD</u>
SPECIFIC GRAVITY @68°F	0.791 - 0.793	0.793	IC00
SPECIFIC GRAVITY @60°F	0.7920 - 0.8000	0.7969	IC00
PURITY, GC%	99.90 MIN	100.00	IC06
COLOR	COLORLESS	PASS	VISUAL
APPEARANCE	CLEAR	PASS	VISUAL
WATER, PPM	500 MAX	192.8	IC01
REFRACTIVE INDEX @20°C	1.3266 - 1.3268	1.3266	IC02
APHA COLOR	5.0 MAX	< 2.5	TG01
ODOR	PASS/FAIL	PASS	TG03
ACETONE, WT%	0.003 MAX	< 0.001	DS18**
ACIDITY (as acetic acid), WT%	0.003 MAX	< 0.0017	DS19**
ALKALINITY (as ammonia), WT%	0.003 MAX	< 0.0001	DS32**
NON-VOLATILE MATTER, WT%	0.002 MAX	0.0003	DG02**
PERMANGANATE TIME	50 MINUTES MIN	60+	DS16**
DISTILLATION #BP/DP	64.4-65.6 / 63.5-65.9	64.4/64.7	TG01**
HYDROCARBONS	PASS/FAIL	PASS	E346**
CARBONIZABLES	20 APHA MAX	< 10.00	DS31**

\*\* VALUES OBTAINED FROM VENDORS CERTIFICATE OF ANALYSIS

APPROVING CHEMIST: TAMIA MUHAMMAD  
REVISION DATE 02-13-09

APPROVING MANAGER: JASON CLAYTON