



**Research  
Solutions**

### Certificate of Analysis

Account: Duda Product: Methanol  
 Location: 1112 Brooks Street SE Date Shipped: 02/27/2019  
Decatur, Alabama 35601 BOL Number: 372062  
 Phone: \*256-340-4866 Lot Number: 164945

METHOD	TEST	RESULT	ASTM 1152
GC	PURITY, WT %	99.99	99.85 min
VISUAL	APPEARANCE	PASS (C & F)	
ASTM E 1064	WATER CONTENT, WT %	0.020	0.10 max
ASTM D 1209	COLOR Pt Co	< 5	10 max
ASTM D 1296	ODOR	PASS (CHARACTERISTIC)	
ASTM D 1613	ACIDITY, AS ACETIC ACID, WT%	0.0012	0.003 max
ASTM D 1614	ALKALINITY, AS AMMONIA, WT %	< 0.0001	
ASTM D 4052	SPECIFIC GRAVITY AT 20/20 DEG C	0.7889	0.7920 to 0.7930
ASTM D 4052	SPECIFIC GRAVITY AT 25/25 DEG C	0.7927	or 0.7883 to 0.7893
ASTM D 1353	NON VOLATILE MATTER, MG/100ML	1	5 max
ASTM D 1363	PERMANGANATE TIME, MINUTES	60 +	50 min
ASTM E 346 (PT/CO SCALE)	CARBONIZABLE SUBSTANCES	20	50 max
SMS-2637-81	CHLORIDES AS CL, PPM	< 0.25	
ASTM D 3961	TOTAL SULFUR, PPM	< 0.5	
ASTM D 1078	DISTILLATION	RANGE IBP DRY POINT	0.4 64.4 64.8 1.0 max Include (64.6 +/- 0.1)
GC	ACETONE, WT %	< 0.0005	0.003 max
ASTM D 1612	ACETONE AND ALDEHYDES, WT %	< 0.003	
GC	ETHANOL CONTENT, PPM	< 5	
ASTM D 1722	HYDROCARBONS	PASS	
ASTM E 394	IRON, PPM	< 0.01	
GC	OTHER ALCOHOLS, WT%	< 0.0005	
GC	OTHER IMPURITIES, WT%	< 0.0005	

