

1.INTRODUCTION

• *Methanol*, CH₃ OH , M= 32.042 , also termed methyl alcohol or carbinol , is one of the most important chemical raw materials . From its discovery in late 1600s , methanol has grown to become 21st largest commodity chemical with over 12× 10⁶ metric tonnes annually produced in the world . Methanol has been called wood alcohol (or wood spirit) because it was obtained commercially from destructive distillation of wood for over a century [1] It is the ninth largest organic chemical produced in U .S . & one of the largest volume chemical produced in the world . Today it is produced mainly from the steam reforming of natural gas via a synthesis gas intermediate. ethanol can & is , however being produced from such alternative feedstocks as coal & residual fuel oil [2]

Table 1. Specifications for Pure Methanol

<i>Property</i>	<i>Grade A</i>	<i>Grade A A</i>
methanol content,wt%,min	99.85	99.85
acetone & aldehydes,ppm,max	30	30
acetone,ppm,max		20
ethanol,ppm,max		10
acid (as acetic acid),ppm,max	30	30
water content,ppm,max	1500	1000
specific gravity,20/20°C	0.7928	0.7928
permanganate time,min	30	30
odor	characteristic	
distillation range at 101 Kpa	1°C,must	charactristic

	include	1°C,must
color,platinum-cobalt scale,max	64.6°C	include
appearance	5	64.4°C
residual on evaporation,g/100 ml	clear-	5
carbonizable impurities	colorless	clear-
	0.001	colorless
	30	0.001
		30