

LIST OF SYMBOLS

Mtoe	Million tonnes of oil equivalent
%	Percentage
MMT	Million metric tonnes
MT	Metric tons
tCO ₂	Tonnes of CO ₂
GT	Giga Tonne
C-C	Carbon-Carbon single bond
ARP	Ammonia Recycle Percolation
mm	Millimetre
w/w	Weight by weight
i.e.	That is
°C	Degree Celsius
Wt. %	Weight percentage
h	Hour
Mpa	Mega Pascal
Min	Minutes
D-glucose	Dextrorotatory glucose
kcal	Kilocalories
°	Degree
mol	Mole
Å	Angstrom
MJ	Megajoule
kg	Kilogram
cm ⁻¹	Wave number
cm	Centimeter
R ²	Regression Square
¹³ C	Carbon 13 nuclei
~	Approximately
Mg	Milligram
ml	Milliliter
v/v	Volume by volume
CrI	Crystallinity Index
>	Greater
<	Lesser
&	And
M	Molar
π*	Polarizability

α	Hydrogen bond acidity
β	Hydrogen bond basicity
Glc	Glucose
g	Gram
Mw	Molecular weight
EJ	Exajoule
J	Joule
Eq.	Equation
Wt.	Weight
λ	Lambda
UV	Ultra Violet
ϵ	Epsilon
MJ/kg	Megajoule/kilogram
Rs.	Rupees
H ₂ SO ₄	Sulfuric acid
NaOH	Sodium Hydroxide
T _{max}	Maximum Temperature
θ	Theta
π - π	Pi-Pi bond
IU/g	International unit/gram
FPU/g	Filter paper unit/gram
nm	Nanometer
μ l	Micro liter
mM	Millimolar
rpm	Round per minutes
S/N	Serial number
kK	Kilo Keyser
kW	Kilowatt
I _{amp}	Intensity of amorphous region
KBr	Potassium bromide
\leq	Less than and equal
η	Kinematic viscosity
cSt/sec	Centistoke/second
mN/m	Millinewtons/meter
T/K	Temperature in Kelvin
σ	Surface tension
2 θ	Two-theta angle
$^{\circ}$ C/min	Degree centigrade/minutes
H _m	Melting Enthalpy

T_m	Melting temperature depression
C_p	Sensible Heat
D	Pore diameter
MJ/m^2	Megajoule per meter square
ρ	Density
T_0	Melting temperature of water
γ_{ls}	surface energy
H_f	Specific Heat of fusion
J/g	Joule per gram
kg/m^3	Kilogram per meter cube
mg/g	Milligram per gram
m^2/g	Meter square per gram
$\text{\$}$	Dollar
$^{\circ}\text{N}$	Degree North
C_5	Five carbons
C_6	Six carbons
Rs.	Rupees
E5	5% (volume/volume) ethanol blend in gasoline
E10	10% (volume/volume) ethanol blend in gasoline
E85	85% (volume/volume) ethanol blend in gasoline
g/L	Gram per litre
OD_{600}	Optical Density at 600 Nanometers
L/tonne	Litre per tonnes