

# Simulation Report

DWSIM 8.0

## Details

Title: Determination of Thermo-physical Properties of Pure Component

Comments:

Object: Water

Type: Material Stream

Property	Value	
Temperature	298.15	K
Pressure	101325	Pa
Mass Flow	1	kg/s
Molar Flow	55.5084	mol/s
Volumetric Flow	0.00100369	m3/s
Density (Mixture)	996.327	kg/m3
Molecular Weight (Mixture)	18.0153	kg/kmol
Specific Enthalpy (Mixture)	-2440.95	kJ/kg
Specific Entropy (Mixture)	-8.18698	kJ/[kg.K]
Molar Enthalpy (Mixture)	-43974.4	kJ/kmol
Molar Entropy (Mixture)	-147.491	kJ/[kmol.K]
Thermal Conductivity (Mixture)	0.610248	W/[m.K]