



CORTLAND ENERGY

Certificate of Analysis

Date of Analysis:	8/5/2020	Bill of Lading:		Requested Blend
Analysis Method:	ASTM D-2163	Blend Date:	8/5/2020	
Components (mol%)				Total Olefin Content:
<u>Methane</u>		0.000		(* Denotes Olefin)
<u>Ethane</u>		0.000		
<u>Ethylene*</u>		0.000		0.000
<u>Propane</u>		0.001		Total Sulfur Content:
<u>Propylene*</u>		0.000		(ASTM D-5623)
<u>Isobutane</u>		0.000		
<u>Normal-Butane</u>		99.996		NIL
<u>Propadiene*</u>		0.000		GC Information:
<u>Acetylene*</u>		0.000		Agilent 7890
<u>Trans 2-Butene*</u>		0.000		Flame Ionization Detector (Hydrocarbons)
<u>1-Butene*</u>		0.000		
<u>Cis 2-Butene*</u>		0.000		
<u>Neo-pentane</u>		0.003		Flame Photometric Detector (Sulfur)
<u>Normal-Pentane</u>		0.000		
<u>Hexanes Plus</u>		0.000		60m x 0.32 mm Alumina Plot