



# Certificate of Analysis

Number: 2500-22050190-001A

Greeley Laboratory  
2881 S. 31st Ave  
Unit 6-8  
Greeley, CO 80631

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4301 Industrial Parkway  
Evans, CO 80620

June 07, 2022

Station Name: NP J-F-23HNB GPM  
Station Number: 68004535  
Station Location: SNP F-26 PAD  
Sample Point: Meter Tube Run  
Analyzed: 05/31/2022 12:14:41 by SO

Sampled By: Russ Fox  
Sample Of: Gas Spot  
Sample Date: 05/16/2022 11:20  
Sample Conditions: 146.77 psig, @ 96.12 °F  
Method: GPA-2261M  
Cylinder No: 886

## Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	NIL	NIL		GPM TOTAL C2+ 7.779
Nitrogen	0.3649	0.435		GPM TOTAL C3+ 3.968
Carbon Dioxide	2.2206	4.159		GPM TOTAL iC5+ 0.738
Methane	70.1942	47.918		
Ethane	14.1878	18.154	3.811	
Propane	7.7229	14.492	2.137	
Iso-butane	0.8740	2.162	0.287	
n-Butane	2.5464	6.298	0.806	
Iso-pentane	0.5327	1.635	0.196	
n-Pentane	0.7070	2.171	0.257	
Hexanes Plus	0.6495	2.576	0.285	
	100.0000	100.000	7.779	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8148	3.2176
Calculated Molecular Weight	23.50	93.19
Compressibility Factor	0.9955	
<b>GPA 2172 Calculation:</b>		
<b>Calculated Gross BTU per ft<sup>3</sup> @ 14.73 psia &amp; 60°F</b>		
Real Gas Dry BTU	1358	5141
Water Sat. Gas Base BTU	1335	5052
<b>Comments:</b> H2S Field Content 0.25 ppm		

Data reviewed by: Ryleigh Jacobs, Laboratory Analyst

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated.