



# Certificate of Analysis

Number: 2500-22010009-001A

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

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4301 Industrial Parkway  
Evans, CO 80620

Jan. 07, 2022

Station Name: AEF 4-62-15NE 0560BH2 Inj  
Station Number: 19141\_GL  
Station Location: AEF 4-62-15NE  
Sample Point: Tube  
Analyzed: 01/06/2022 10:14:26 by CRS


Sampled By: Wally Young  
Sample Of: Gas Spot  
Sample Date: 12/20/2021 08:40  
Sample Conditions: 941.23 psig, @ 91.87 °F  
Method: GPA-2261M  
Cylinder No: 2500-00813

## Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0003	NIL		GPM TOTAL C2+
Nitrogen	0.9204	1.175		GPM TOTAL C3+
Carbon Dioxide	2.4268	4.867		GPM TOTAL iC5+
Methane	75.1472	54.941		
Ethane	11.4406	15.678	3.071	
Propane	6.6433	13.350	1.837	
Iso-butane	0.6236	1.652	0.205	
n-Butane	1.8369	4.866	0.581	
Iso-pentane	0.2829	0.930	0.104	
n-Pentane	0.3536	1.163	0.129	
Hexanes Plus	0.3244	1.378	0.142	
	100.0000	100.000	6.069	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7602	3.2176
Calculated Molecular Weight	21.94	93.19
Compressibility Factor	0.9962	
<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	1259	5141
Water Sat. Gas Base BTU	1237	5052

**Comments:** H2S Field Content 3 ppm

  
Data reviewed by: Matthew Loveley, Laboratory Manager

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