

Nutrition Analysis Center

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Wolf Creek Hutterian

**Client Code:** QD0007866

 Paul Decker  
 42906 Colony Road  
 Olivet, SD 57052

**ANALYTICAL REPORT**

AR-23-QD-021886-01

**Received On:** 06Jan2023  
**Reported On:** 26Jan2023

|                              |                   |                                  |                            |
|------------------------------|-------------------|----------------------------------|----------------------------|
| <b>Eurofins Sample Code:</b> | 464-2023-01060832 | <b>Sample Registration Date:</b> | 06Jan2023                  |
| <b>Client Sample Code:</b>   | Conrad            | <b>Condition Upon Receipt:</b>   | acceptable, non-perishable |
| <b>Sample Description:</b>   | pxmeal            | <b>Sample Reference:</b>         | Decker                     |

|                    |                                 |  |                               |
|--------------------|---------------------------------|--|-------------------------------|
| <b>QD025 - Ash</b> | <b>Reference</b><br>AOAC 942.05 | <b>Accreditation</b><br>ISO/IEC 17025:2017<br>A2LA 2927.01 | <b>Completed</b><br>24Jan2023 |
|--------------------|---------------------------------|--|-------------------------------|

|                  |               |
|------------------|---------------|
| <b>Parameter</b> | <b>Result</b> |
| Ash              | 5.67 %        |

|                                     |  |  |                               |
|-------------------------------------|--|--|-------------------------------|
| <b>QD052 - Protein - Combustion</b> | <b>Reference</b><br>AOAC 992.15; AOAC 990.03; AOCS Ba<br>4e-93 | <b>Accreditation</b><br>ISO/IEC 17025:2017<br>A2LA 2927.01 | <b>Completed</b><br>12Jan2023 |
|-------------------------------------|--|--|-------------------------------|

|                       |               |
|-----------------------|---------------|
| <b>Parameter</b>      | <b>Result</b> |
| Protein, Combustion   | 46.75 %       |
| Nitrogen - Combustion | 7.48 %        |
| Protein Factor        | 6.25          |

|  |                                       |  |                               |
|--|---------------------------------------|--|-------------------------------|
| <b>QD065 - Crude Fat by Petroleum Ether Extraction</b> | <b>Reference</b><br>AOCS Ba 3-38 Mod. | <b>Accreditation</b><br>ISO/IEC 17025:2017<br>A2LA 2927.01 | <b>Completed</b><br>26Jan2023 |
|--|---------------------------------------|--|-------------------------------|

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| <b>Parameter</b> | <b>Result</b> |
| Crude Fat        | 6.57 %        |

|                             |   |  |                               |
|-----------------------------|---|--|-------------------------------|
| <b>QD069 - Fiber, Crude</b> | <b>Reference</b><br>AOAC 962.09; AOCS Ba 6-84 | <b>Accreditation</b><br>ISO/IEC 17025:2017<br>A2LA 2927.01 | <b>Completed</b><br>24Jan2023 |
|-----------------------------|---|--|-------------------------------|

|                  |               |
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| <b>Parameter</b> | <b>Result</b> |
| Crude Fiber      | 5.1 %         |

|                                  |                                      |                               |
|----------------------------------|--------------------------------------|-------------------------------|
| <b>QD0T2 - Trypsin Inhibitor</b> | <b>Reference</b><br>AOCS Ba 12a-2020 | <b>Completed</b><br>11Jan2023 |
|----------------------------------|--------------------------------------|-------------------------------|

|                            |               |
|----------------------------|---------------|
| <b>Parameter</b>           | <b>Result</b> |
| Trypsin Inhibitor Activity | 13,600 TIU/g  |

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| <b>Sample Description:</b> pxmeal              | <b>Sample Reference:</b> Decker                           |

|   |                                 |  |                               |
|---|---------------------------------|--|-------------------------------|
| <b>QD146 - Moisture - Forced Draft Oven</b> | <b>Reference</b><br>AOAC 930.15 | <b>Accreditation</b><br>ISO/IEC 17025:2017<br>A2LA 2927.01 | <b>Completed</b><br>09Jan2023 |
|---|---------------------------------|--|-------------------------------|

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| <b>Parameter</b>              | <b>Result</b> |
| Moisture by Forced Draft Oven | 3.34 %        |

|                                |  |                               |
|--------------------------------|--|-------------------------------|
| <b>QD163 - NFE, Calculated</b> | <b>Reference</b><br>Feeds and Nutrition 1990 pp. 559 | <b>Completed</b><br>25Jan2023 |
|--------------------------------|--|-------------------------------|

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| <b>Parameter</b> | <b>Result</b> |
| NFE, Calculated  | 32.57 %       |

|  |                                  |                               |
|--|----------------------------------|-------------------------------|
| <b>QD240 - Urease Activity / pH Rise</b> | <b>Reference</b><br>AOCS Ba 9-58 | <b>Completed</b><br>11Jan2023 |
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|                           |               |
|---------------------------|---------------|
| <b>Parameter</b>          | <b>Result</b> |
| Urease Activity / pH Rise | 0.03          |

|  |   |                               |
|--|---|-------------------------------|
| <b>QD264 - Protein Solubility- KOH</b> | <b>Reference</b><br>Araba and Dale (1990), Poultry<br>Sci.69:76-83. | <b>Completed</b><br>13Jan2023 |
|--|---|-------------------------------|

|                         |               |
|-------------------------|---------------|
| <b>Parameter</b>        | <b>Result</b> |
| Protein Solubility- KOH | 87.67 %       |

|  |                                   |                               |
|--|-----------------------------------|-------------------------------|
| <b>QD406 - Protein Dispersibility Index- PDI</b> | <b>Reference</b><br>AOCS Ba 10-65 | <b>Completed</b><br>13Jan2023 |
|--|-----------------------------------|-------------------------------|

|                              |               |
|------------------------------|---------------|
| <b>Parameter</b>             | <b>Result</b> |
| Protein Dispersibility Index | 10.6 %        |

|   |                                      |  |                               |
|---|--------------------------------------|--|-------------------------------|
| <b>QQ141 - Tryptophan (AOAC, Most Matrices)</b> | <b>Reference</b><br>AOAC 988.15 mod. | <b>Accreditation</b><br>ISO/IEC 17025:2017<br>A2LA 2927.01 | <b>Completed</b><br>10Jan2023 |
|---|--------------------------------------|--|-------------------------------|

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| <b>Parameter</b> | <b>Result</b> |
| Tryptophan       | 0.70 %        |

|  |                                      |  |                               |
|--|--------------------------------------|--|-------------------------------|
| <b>QQ176 - Amino Acids by AH (AOAC, Most Matrices)</b> | <b>Reference</b><br>AOAC 982.30 mod. | <b>Accreditation</b><br>ISO/IEC 17025:2017<br>A2LA 2927.01 | <b>Completed</b><br>10Jan2023 |
|--|--------------------------------------|--|-------------------------------|

|                  |               |
|------------------|---------------|
| <b>Parameter</b> | <b>Result</b> |
| Alanine          | 2.06 %        |
| Arginine         | 3.35 %        |
| Aspartic Acid    | 5.38 %        |
| Glutamic Acid    | 8.47 %        |

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|  |                  |  |                               |
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| <b>QQ176 - Amino Acids by AH (AOAC, Most Reference Matrices)</b> | AOAC 982.30 mod. | <b>Accreditation</b><br>ISO/IEC 17025:2017<br>A2LA 2927.01 | <b>Completed</b><br>10Jan2023 |
|--|------------------|--|-------------------------------|

| Parameter     | Result |
|---------------|--------|
| Glycine       | 2.04 % |
| Histidine     | 1.22 % |
| Isoleucine    | 2.17 % |
| Leucine       | 3.60 % |
| Phenylalanine | 2.36 % |
| Proline       | 2.39 % |
| Serine        | 2.38 % |
| Threonine     | 1.88 % |
| Total Lysine  | 3.16 % |
| Tyrosine      | 1.55 % |
| Valine        | 2.33 % |

|   |                               |  |                               |
|---|-------------------------------|--|-------------------------------|
| <b>QQ177 - Cystine &amp; Methionine (AOAC, Most Matrices)</b> | Reference<br>AOAC 994.12 mod. | <b>Accreditation</b><br>ISO/IEC 17025:2017<br>A2LA 2927.01 | <b>Completed</b><br>11Jan2023 |
|---|-------------------------------|--|-------------------------------|

| Parameter  | Result |
|------------|--------|
| Cystine    | 0.65 % |
| Methionine | 0.65 % |

Respectfully Submitted,




David Gross  
Support Services Manager

Wolf Creek Hutterian

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