Mars Mineral maintains a laboratory and pilot scale testing facility to determine the process conditions needed to convert your powder into pellets. Please use the table below to determine which test option will best suit your needs.

<table>
<thead>
<tr>
<th>Description</th>
<th>Research Study</th>
<th>Pilot Scale Development</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test Results</td>
<td>Success based upon generation of customer-defined pellets, as determined by analysis</td>
<td>Scale up data obtained and/or quantity pelletization</td>
</tr>
<tr>
<td>Required Quantity of Sample</td>
<td>5-10 Gallons for disc/drum pelletization; 15-25 Gallons for pin mixer pelletization</td>
<td>55 Gallons minimum</td>
</tr>
<tr>
<td>Binders</td>
<td>Water and 2 binder additives; Additional binders will increase fee</td>
<td>Predetermined binder</td>
</tr>
<tr>
<td>Equipment</td>
<td>DP-14 Disc/Drum or 8D32L Pin Mixer</td>
<td>P-30 Disc, D-20 Drum or 12D54L Pin Mixer</td>
</tr>
<tr>
<td>Sample Yield</td>
<td>Jar quantities of green and/or dried pellets</td>
<td>2 Gallons or more of pelletized product</td>
</tr>
<tr>
<td>Special Conditions</td>
<td>None</td>
<td>Milling, pre-treatment, mixing, special feeding, drying, screening, or post-treatment at extra charge</td>
</tr>
<tr>
<td>Price</td>
<td>Up to $2,000.00 per test</td>
<td>$2,500.00 per day (one day minimum charge)</td>
</tr>
</tbody>
</table>
Description of Laboratory Fees
The quoted laboratory testing rates are for the use of our facility, equipment, laboratory technicians and supporting personnel. The Laboratory fees are charged either as a standard price (for Research Study), or at a daily rate (for Pilot Scale Development). The Pilot Scale Test is based upon a daily charge, plus additions for optional processing equipment or materials. The daily charge is a minimum fee. The number of days quoted for your project includes estimated time for set up of the pelletizing system, for clean up upon the test completion, special pre- or post-treatment of materials or pellets (milling, mixing, drying etc.) and for preparation of the test report.

Daily, Overtime and Weekend Rates
The normal daily rate is for an eight (8) hour day, 7:30 AM to 3:30 PM, Monday through Friday. Time exceeding the normal workday will be invoiced at overtime rates. No overtime will be performed without written authorization by the customer.

Extraneous Supplies
Any special supplies needed for a test, and to be supplied by Mars Mineral, must be authorized by the customer in writing and will be invoiced at our cost plus 15%. All unused supplies will be returned to the customer upon completion of the test.

Forms Required for Testing
Before any testing begins, Mars Mineral must have in possession:

- A completed Agglomeration Questionaire
- Applicable Safety Data Sheet(s) (SDS)
- For new, US customers: A completed Credit Application

Acceptance of Materials
Written authorization from Mars Mineral must be obtained by the customer prior to shipment or Mars Mineral will not accept the shipment. Mars Mineral will not consider authorizing material shipment without prior receipt of a Safety Data sheet.

Failure of the customer to properly notify Mars Mineral in writing about the properties of the materials will indemnify and hold Mars Mineral harmless from and against any and all claims, suits or liability whatsoever arising from or connected with any such injury, death or damage. Material sent to Mars Mineral should be sent in 5-gallon buckets for small samples. Larger samples will be accepted in drums (not to exceed 500 pounds per drum) or in bulk bags with bottom spout (not to exceed 2,000 pounds). Packaging other than this needs to be cleared with Mars Mineral prior to shipment. Send materials to: Mars Mineral; 128 Myoma Road; Mars, PA 16046 USA, Attention Test Lab.

Return of Materials
Mars Mineral policy requires that all materials shipped to us for testing will be returned to the customer. There are no exceptions. The materials will include unused raw materials, product, off spec material and clean up. Arrangements for the return of the materials must be made prior to the test. All charges for the return of the material will be to the customers account and will be invoiced with the testing charges. In the event that the testing is delayed or partially completed due to reasons beyond the control of Mars Mineral, the material will be held for a maximum of 30 days from the delay date. After 30 days, the material will be returned to the customer by freight collect. If the customer refuses delivery of the material, it will be disposed of in accordance with the Safety Data Sheet and the customer will be billed for all related costs.

Test Scheduling/Completion
All tests will be scheduled according to the arrival date of materials, required forms and laboratory fee down payment. This schedule is tentative and is subject to change. Mars Mineral will notify the customer of the scheduled test date and will make every effort to hold the date selected.

Terms of Payment
The following payment terms will apply to all testing:

- 50% required with the purchase order and completed forms for testing.
- 50% required upon completion of the test and prior to the submittal of the test report and shipping of samples.
- First time international customers must pay 100% of test fee and cost of return material shipment prior to receiving authorization to ship raw material for testing.
Agglomeration Questionnaire

This questionnaire is to be completed and returned to Mars Mineral prior to testing of your materials. Please, fill in as much as possible to help us understand how we may help you achieve your pelletization objectives.

Contact Information

Company _______________________________________________________________

Contact _______________________________________________________________

Title _______________________________ Email _______________________________

Phone _______________________________

How did you first learn about Mars Mineral? _______________________________

Do you require a Nondisclosure Agreement (NDA), before you may discuss your project with Mars Mineral? _______________________________

Raw Material Information

Common name of the material _____________________________________________

Is the material a mixture? _________ If the material is a mixture, what are the specific components, and what are their percentages? _______________________________

Please include Safety Data Sheet(s) (SDS)? _______________________________

Is the material hazardous? _______ If so, please, explain _______________________________

__________________________________________________________________________
Agglomeration Questionnaire

Aerated Bulk Density (lb/ft$^3$ or kg/m$^3$) ___________

Moisture Content % ___________

____________________________________________________________________________

Powder Particle Size (US Sieve/Microns/Millimeters):

10 mesh ______ 45 mesh ______
80 mesh ______ 120 mesh ______ 200 mesh ______ 325 mesh ______ Pan ______

Please, give an example of particle consistency, such as flour, sand, fibers, lumps, etc.

____________________________________________________________________________

Test Objectives and Finished Pellet Information

Type of test required, from Test Options, above ________________________

Amount of powder to be processed ________________________

Finished pellet properties designed:

Size Range ___________ Strength ___________ Shape ___________

Agreement with Terms and Conditions

By signing this form, I agree to the above Terms and Conditions.

Signature ________________________

Date ________________________