



Built by
Nutripaction
Technology



Nutripaction

Granulation Services

GENERAL

The Nutripaction compaction granulation process, utilizing our proprietary technology, creates consistent uniform granules, derived from fine powder input particles. The larger and more uniform finished particle size created by our Nutripaction process improves material handling, transfer and shipping properties. The yielded product is a homogenous granule, formulated for consistency in application and performance. Nutripaction granulation also improves production operations when larger size particles enhance both mixing speed and consistency. We custom blend and granulate on a tolling or contract basis to customer specifications.

APPLICATIONS

We offer customized homogenous granulated products for the fertilizer, animal feed, chemical, glass, refractory materials and metallurgic industries. Our Nutripaction process is used when a uniform granulation and color is needed for improved market appeal and physical appearance or when uniform component distribution and dispersion is required in final use.

PHYSICAL PROPERTIES

Product Granulation

Typical Ranges:

- Any size range between 4 and 30 mesh.
- Typical Coarse: 99% -6/+16, 230 – 250 SGN
- Typical Mini: 99% 10+20, 140-160 SGN
- Typical Fine: 99% -14/+30, 90 – 110 SGN

PACKAGING AND TRANSPORT MODES

- Bulk: 2,000 Lb. bulk bags, dump truck or rail.
- Packaged: Typically 50 lb. bags, however custom weights in valve pack bags are optional, depending on final product density.



PRODUCT COMPOSITION/ GRANULATION CAPABILITIES

- Batching capability for numerous ingredients or carriers.
- Binders may be added if required depending on the nature of the formulation.
- Wax coating option available for enhanced handling and reduced dust
- Volume processing from a minimum of 100 tons to a maximum of 20,000 tons.
- Shipments available from production facilities in Cape Girardeau, Missouri.
- Fully automated process that feeds, weighs, mixes, compacts, granulates, sizes and packages in accordance with customer requirements.
- Pilot plant with full service product development capability.
- 20 years of experience in large-scale compaction and granulation operations.
- Comprehensive laboratory with ICP and AA capability.
- Warehousing available – 450,000 square foot facility adjacent to our manufacturing facilities.



COMPACTABLE MATERIALS

Ammonium Sulfate
Boron
Caustic Soda
Ceramic Materials
Charcoal
Chrome Ore
Clays
Coal
Copper Concentrate
Filter Dusts

Flue Dust
Gypsum
Iron Oxide
Lignite
Magnesite
Magnesium Oxide
Metal Sulfates
Micronutrient Fertilizers
Mill Scale
Nickel Ore

NPK Fertilizer
Pigments
Plant Proteins
Potash
Refractory Material
Roasted Pyrite
Sodium Carbonate
Sodium Sulfate
Steelworks Dusts
Baghouse Fines



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Information regarding the contents and levels of metals in this product is available on the Internet at www.agr.wa.gov.