

SupremeTM | B81

TECHNICAL DATA SHEET

DESCRIPTION

Supreme B81 adsorbent has been activated using a proprietary Surface Modification Technology (SMT). Our raw material is an intergrowth of hormite and smectite minerals which have unique adsorption and filtration characteristics. SMT processing, combined with the natural qualities of these minerals, produces an active, fast-filtering product.

BENEFITS

- Excellent metals adsorption characteristics (P, Ca, Fe, Mg, Ni, etc.)
- Removes color bodies from a variety of oils and effectively eliminates chlorophyll from vegetable oils
- Removes soaps and phospholipids
- Minimizes free fatty acid rise during bleaching
- Outstanding filtration characteristics, including long filtration cycles and less
- pressure build up at cycle end

REGULATORY APPROVALS

All Supreme products are classified as processing aids and have Generally Recognized As Safe (GRAS) status from the Food and Drug Administration (FDA).

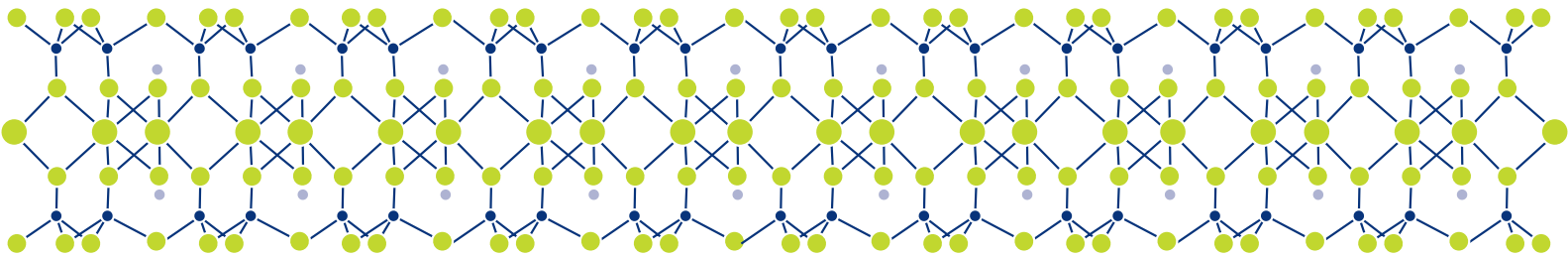
TYPICAL PROPERTIES

SUPREME B81	
FAMILY Bleaching Earth	
FREE MOISTURE Wt. % @ 105°C	15
PH 5% solids in D.I.H ₂ O	4.2
TAMPED DENSITY	43 lbs./ft ³ 689 g/L
PARTICLE SIZE U.S. STANDARD SIEVE Through 325 mesh (<45 microns) wt. %	77

TYPICAL COMPOSITION

The determination of elemental analysis is performed by X-Ray Fluorescence (XRF). Typical values for elemental analyses expressed as their oxides (dry matter basis) are as follows:

COMPOUND	Wt%	COMPOUND	Wt%
SiO ₂	70	K ₂ O	1.5
Al ₂ O ₃	13	Trace Compounds	1
MgO	7	S	0.3
Fe ₂ O ₃	5	Na ₂ O	0.2
CaO	2	Total	100



TECHNICAL SERVICE & SUPPORT

Technical support includes accessibility to Oil-Dri's research and development group and our state-of-the-art testing facilities, in-plant trials and a wealth of industry expertise.

Oil-Dri recognizes that equipment, procedures and conditions interact with crude oil type and quality to make every process unique, and we'll help you optimize your processes and products.

PACKAGING & TRANSPORTATION

Supreme B81 adsorbent is available in bulk or a variety of bag sizes. Shipments are made by truck, rail or shipping container. Packaged product is palletized and unitized. Oil-Dri can arrange for transportation or customer pickup. Point of origin is Ochlocknee, Georgia, U.S.A.

DISCLAIMER

The properties outlined above represent typical values for this product. They are not designed to convey absolute product specifications. The information in this data sheet is believed to be accurate. However, each purchaser should make its own test to determine the suitability of the product for its purposes. Oil-Dri makes no warranty, express or implied, with respect to the product and assumes no responsibility for any risk or liability arising from the use of this product information

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