



National Animal Supplement Council

Preferred Supplier Botanical Ingredient Data Sheet (BIDS)



NASC established a **Preferred Supplier Program** for companies who wish to provide products and services to NASC member companies, including raw materials (ingredients), contract manufacturing (dosage form products and feed supplements), analytical laboratory services and other services such as insurance, business consulting, legal expertise, etc.

The goal of the program is to prequalify vendors so that NASC members may accept and use products or services from Preferred Suppliers without additional vendor qualification procedures required under NASC cGMPs.

There are four categories of **NASC Preferred Suppliers**: Raw Material Suppliers, Contract Manufacturers, Analytical Laboratories and Service Providers.

The qualification procedure includes providing information to NASC on the scope of company operations, quality compliance program certifications, statements and additional documentation specific to the type of supplier, e.g., data sheets for each ingredient a Raw Material Supplier would like to qualify and include in the program.

Preferred Supplier Botanical Ingredient Data Sheet

All Raw Material Suppliers must provide the information requested in this form as part of the qualification procedure for a single botanical ingredient. Any fields not applicable to the company or ingredient should be completed by entering N/A.

Please return copies of the requested certifications and the completed form electronically to Bill Bookout at b.bookout@nasc.cc or mail to:

NASC
PO Box 2568
Valley Center, CA 92082

Contact Bill Bookout at the NASC office (760-751-3360) with any questions about the **Preferred Supplier Program**.



SECTION 1. BOTANICAL INGREDIENT & SUPPLIER INFORMATION

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| SUPPLIER (COMPANY) PROVIDING INGREDIENT: | Super Beta Glucan Inc. |
| INGREDIENT NAME & CODE: | ImmuOligo MBG [®] Mushroom Beta Glucan PC: A001 |
| GENERAL INGREDIENT INFORMATION: | (1-3),(1-6)-β-D-glucan, Poly-(1-6)-β-D-glucopyranosyl-(1,3)-β-D-glucopyranose derived from <i>Ganoderma lucidum</i> |

SECTION 2. BOTANICAL MANUFACTURING INFORMATION

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| NAME AND ADDRESS OF MANUFACTURING SITE: | Super Beta Glucan Inc. 5 Holland, Bldg. 109., Irvine, CA 92618 |
| MODE OF MANUFACTURING | Patented/Proprietary Culture/Isolation |
| DESCRIBE MANUFACTURING PROCESS - <i>Include method(s) of cultivation (e.g., sustainably-wild crafted, or cultivation method), identification, harvest, handling, and post-harvest processing</i> | Culture by incubation and proceed by culture harvest, isolation, purification and drying processes. |
| STERILIZATION OR FUMIGATION METHOD(S): | Temperature/Autoclaving |
| KNOWN OR POTENTIAL SOURCES OF IMPURITIES AND/OR CONTAMINANTS: | No |

SECTION 3. BOTANICAL INGREDIENT PHYSICAL / CHEMICAL INFORMATION

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| COMMON OR USUAL NAME / OTHER NAMES: | Mushroom Beta Glucan, (1-3),(1-6)-β-D-glucan from <i>Ganoderma lucidum</i> |
| LATIN BINOMIAL: | (1-3),(1-6)-β-D-glucan from <i>Ganoderma lucidum</i> |
| PART OF THE PLANT USED? | mycelium |
| HARVEST AGE / SEASON? | N/A |
| % ACTIVE INGREDIENT: | Min 55% |
| BIOASSAY METHOD (SPECIFY): | Megazyme Enzymatic Analysis (Primary) and HPTLC (Secondary) |
| EXAMPLE OF CURRENT PRODUCT SPECIFICATION SHEET / CERTIFICATE OF ANALYSIS ATTACHED: | As attached |
| PHYSICAL FORM OF THE INGREDIENT: | Powder/Liquid |
| PARTICLE SIZE: | 2.0 kDa to 298 kDa |



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|---|--------------------------|---|
| COUNTRY OF ORIGIN: | | United States |
| SECTION 4. REGULATORY & LABELING INFORMATION | | |
| PATENT COVERAGE: | | US9,102,962, US8,865,888 |
| GMP COMPLIANCE STANDARDS FOLLOWED (CITE): | | Yes |
| Identify the critical control points that are monitored to maintain GMP's | | All critical points mandated in the cGMP Codex |
| LIST ANY CERTIFICATIONS OR EXTERNAL AUDIT PROGRAMS (E.G., NSF, USP, NPA, ISO, ETC.): | | cGMP, HALAL and Kosher |
| DATE & AGENCY OF MOST RECENT FACILITY INSPECTIONS (STATE, FEDERAL, OR FOREIGN AGENCY): | | |
| DATE | INSPECTION AGENCY | RESULTS OF INSPECTION |
| December, 2015 | IFANCA | Compliant |
| February, 2016 | SGS North America | Compliant |
| March, 2016 | Three Line K Kosher | Compliant |
| FEED / FOOD INGREDIENT: AAFCO APPROVED YES / NO: | | No/Pending |
| HOW INGREDIENT IS LISTED IN THE AAFCO OFFICIAL PUBLICATION: | | N/A |
| EXAMPLE OF CURRENT PRODUCT SPECIFICATION SHEET / CERTIFICATE OF ANALYSIS ATTACHED: | | As attached |
| BIOASSAY METHOD (SPECIFY): | | Megazyme enzymatic analysis (Primary) and HPTLC (secondary) |
| ANIMAL HEALTH INGREDIENT: EXAMPLES OF STRUCTURE FUNCTION CLAIMS SUPPORTED BY RESEARCH / CLINICAL STUDIES | | Yes |
| TARIFF CODE FOR IMPORT/EXPORT: | | 3913.90.2000 |
| ANY KNOWN RESTRICTIONS FOR USE IN OR WARNINGS FOR ANIMALS? | | No |
| ANY INTERACTION WITH OTHER INGREDIENTS OR DRUGS TO AVOID? | | No |

SECTION. 5 SUPPORTING DOCUMENTATION



ATTACH ANY STATEMENTS THAT ARE APPLICABLE TO THIS INGREDIENT.

| <u>EXAMPLES</u> | <u>ATTACHED: YES / NO / N-A</u> |
|------------------------------------|---------------------------------|
| • KOSHER / HALAL STATEMENT | Yes |
| • IRRADIATION STATEMENT | Yes |
| • ETO STATEMENT | Yes |
| • GMO STATEMENT | Yes |
| • MSDS SHEET | Yes |
| • HORMONE STATEMENT | N-A |
| • BSE / TSE STATEMENT | Yes |
| • ORGANIC CERTIFICATION STATEMENT | N-A |
| • CURRENT PRODUCT DATA SHEET | Yes |
| • MANUFACTURING PROCESS FLOW CHART | Yes |
| • STABILITY DATA | N-A |
| • MATERIAL EVALUATION FORM | N-A |
| • COUNTRY OF ORIGIN STATEMENT | Yes |


SECTION 6. ADDITIONAL BOTANICAL INGREDIENT INFORMATION

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| RECOMMENDED STORAGE CONDITIONS: | Store away from direct sunlight and in cool, dry condition |
| ADDITIONAL COMMENTS / INFORMATION: | |

SECTION 7. CONTACT INFORMATION

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| CONTACT NAME: | Sherwin Chen |
| TITLE: | VP of Operation |
| OFFICE PHONE: | 949-264-2888 Ext 800 |
| OTHER PHONE: | 626-354-1617 |
| E-MAIL: | Sherwin@superbetaglucan.com |

BY SIGNING BELOW, I CERTIFY THAT THE INFORMATION GIVEN BY ME TO THE NATIONAL ANIMAL SUPPLEMENT COUNCIL (NASC), INC. IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE. I UNDERSTAND THAT IF THE INFORMATION PROVIDED IS NOT THOROUGH AND COMPLETE, NASC WILL REJECT THE FORM AND RESUBMISSION OF THE FORM WILL BE REQUIRED.

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|---|-------------|
|  | 4/13/2016 |
| SIGNATURE | DATE |