



**FORTE BUS**

<b>PRODUCT INFORMATION</b>	
<b>DESCRIPTION</b>	Lynside <sup>®</sup> Forte BUS yeast is fortified nutritional yeast that has been formulated to provide 100% of the US adult RDA of B vitamins in a 500mg dose. This product is intended to be used as a food, or supplement ingredient. This yeast is produced with a specially selected strain of <i>Saccharomyces cerevisiae</i> , that is grown under carefully controlled conditions and then dried on drum dryers.
<b>FEATURES</b>	Primary grown yeast
<b>INGREDIENTS</b>	Dried yeast, niacin, d-calcium pantothenate, thiamin(e) hydrochloride, riboflavin, pyridoxine hydrochloride, folic acid, biotin and cobalamin
<b>SUBSTRATE</b>	Sugar syrup
<b>MANUFACTURING PROCESS</b>	Fermentation, supplementation, drying, grinding and packaging.
<b>COUNTRY OF ORIGIN</b>	United States
<b>PACKAGING</b>	Corrugated box with poly liner, plastic liner tie & tamper evident tape
<b>RECYCLABLE MATERIALS</b>	Corrugated box, poly liner & plastic tie
<b>PACK SIZE &amp; GRIND</b>	Item # 74800 - 25 kg Box – 60 MHF (Fine Powder) UPC 1 00 17929 74800 2
<b>IMPORT/EXPORT TARIFF CODE</b>	2102.20 2000
<b>BATCH DESIGNATION</b>	Liquid tank prior to dryer
<b>LOT NUMBER STRUCTURE</b>	An eight digit lot code format LMMDDYYL is used to identify the production line, production date and the production sequence. Lot A070114B indicates: First Letter “A”= item was manufactured on production line A First – Sixth Digits = month, date and year, e.g. July 01,2014 Second Letter = “B” would indicate this is the second product produced on production line A.
<b>STORAGE CONDITIONS</b>	Ambient (<70 F), < 70% RH
<b>SHELF LIFE</b>	24 Months
<b>REGULATORY &amp; FACILITY INFORMATION</b>	
<b>KOSHER</b>	Kosher Pareve – Organized Kashrus Labs
<b>HALAL</b>	Compliant
<b>GMP</b>	Manufactured using Food GMPs
<b>ISO</b>	No
<b>HACCP</b>	Yes
<b>FDA STATUS</b>	Food, Supplement Ingredient
<b>BIO-TERRORISM</b>	Facility in compliance with all FDA bio-terrorism requirements
<b>GMO / ORGANIC</b>	Certified GMO Free by Green Star. Non-GMO following EEC regulations. Contains no GMO enzymes, has not been solvent-extracted, synthetically preserved or irradiated. Contain no artificial flavors or colors. There was no sewer sludge, petrochemical substrate, or sulfite waste liquor involved with any step of production. .
<b>BSE / TSE</b>	No animal products used in manufacturing process or raw materials
<b>VEGETARIAN</b>	Vegan
<b>PRESERVATIVES</b>	None
<b>STERILIZATION</b>	Heat only, no ethylene oxide or irradiation
<b>MASTER FILE</b>	Not required
<b>THIRD PARTY AUDITS</b>	BRC (British Retail Consortium)

[7475 West Main Street Milwaukee, WI 53214](http://www.lesaffre.com)

APPROXIMATE ANALYSIS (Essential Amino Acids Underlined)					
VITAMINS	ug/g	MINERALS	ug/g	AMINO ACIDS	mg/g
Biotin	600	Calcium	700	Alanine	35
Choline	4000	Chromium	<0.5	Arginine	25
Folic Acid	800	Copper	8	Aspartic Acid	57
Inositol	4800	Iron	55	<u>Cystine</u>	5
Niacin	40000	Lithium	4	Glutamic Acid	92
Pantothenic Acid	20000	Magnesium	1300	Glycine	25
Pyridoxine HCL (B <sub>6</sub> )	4000	Manganese	6	<u>Histidine</u>	12
Riboflavin (B <sub>2</sub> )	3400	Molybdenum	4	<u>Isoleucine</u>	25
Thiamine (B <sub>1</sub> )	3000	Nickel	2	<u>Leucine</u>	38
Cobalamin (B <sub>12</sub> )	12	Phosphorus	11000	<u>Lysine</u>	45
		Potassium	20000	<u>Methionine</u>	9
		Selenium	1.4	<u>Phenylalanine</u>	22
		Sodium	320	Proline	21
		Tin	0.8	Serine	28
		Zinc	197	<u>Threonine</u>	28
				<u>Tryptophan</u>	5
				<u>Tyrosine</u>	19
				<u>Valine</u>	30

PRODUCT SPECIFICATIONS			
PARAMETER	SPECIFICATION RANGE	TYPICAL ANALYSIS	METHOD
MOISTURE	<6%	3-4%	AOAC
BIOTIN	600-1000 ppm	600-1000 ppm	CALC
FOLIC ACID	800-1800 ppm	800-1800 ppm	HPLC
NIACIN	40000-60000 ppm	40000-60000 ppm	HPLC
PANTOTHENIC ACID	20000-40000 ppm	20000-40000 ppm	HPLC
PYRIDOXINE	4000-8000 ppm	4000-8000 ppm	HPLC
RIBOFLAVIN	3400-11000 ppm	3400-11000 ppm	HPLC
THIAMIN(E)	3000-10000 ppm	3000-10000 ppm	HPLC
B12	12-25 ppm	12-25 ppm	CALC
TPC	2000 CFU/g Max	<10 – 100 CFU/g	BAM
COLIFORM	<10 cfu/gm Max.	0	Coliform by Rapid'E.coli2 AOAC Performance Certificate No. 050601
E. COLI	Negative	0	Coliform by Rapid'E.coli2 AOAC Performance Certificate No. 050601
SALMONELLA	Neg / 1500/g (Class I)	Neg / 1500/g (Class I)	AOAC OMA 2001.09/BAM CH 5

01/15

The information herein is true and accurate to the best of our knowledge; however, this data sheet is not to be considered as a guarantee expressed or implied, or as a condition of sale of this product.

## NUTRITIONAL INFORMATION



<b>PRODUCT CODE</b>	74800
<b>COMPANY</b>	Lesaffre Human Care
<b>ADDRESS</b>	7475 West Main St. Milwaukee, WI 53214

### TYPICAL ANALYSIS

Per 100g "As Is"

<b>Calories</b>	385	kcal		<b>Fat</b>	5	g
<b>Moisture</b>	4	g		<b>Saturated</b>	1-2	g
<b>Protein</b>	52	g		<b>Unsaturated</b>	2-4	g
<b>Ash</b>	6	g		<b>Monounsaturated</b>	2-4	g
<b>Carbohydrates</b>	33	g		<b>Polyunsaturated</b>	<1	g
<b>Complex Sugars</b>	33	g		<b>Trans Fatty Acids</b>	0	g
<b>Dietary Fiber</b>	20-24	g		<b>Cholesterol</b>	0	mg
<b>Soluble</b>	4-8	g		<b>Iron</b>	4-7	mg
<b>Insoluble</b>	16-22	g		<b>Calcium</b>	65-75	mg
<b>Vitamin A</b>	<10	ug RE		<b>Sodium</b>	30-34	mg
<b>Vitamin C</b>	0	mg		<b>Potassium</b>	1800-2200	mg
<b>Thiamin(e)</b>	300-1000	mg		<b>Phosphorus</b>	1000-1200	mg
<b>Niacin</b>	4000-6000	mg NE		<b>Pyridoxine</b>	400-800	mg
<b>Riboflavin</b>	340-1100	mg		<b>Folic Acid</b>	80-180	mg
<b>Pantothenic Acid</b>	2000-4000	mg		<b>Vitamin B12</b>	1200-2500	ucg
				<b>Biotin</b>	60-100	mg

07/14

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**ALLERGEN & SENSITIVE COMPONENTS**

<b>PRODUCT NAME</b>	<b>LYNSIDE® FORTE BUS</b>			
<b>PRODUCT CODES</b>	<b>74800</b>			
<b>ALLERGEN &amp; SENSITIVE COMPONENT</b>	<b>PRESENT IN PROD</b>		<b>PRESENT ON SAME LINE</b>	
	<b>YES</b>	<b>NO</b>	<b>YES</b>	<b>NO</b>
<b>CEREALS CONTAINING GLUTEN</b> (Wheat, rye, barley , oats, spelt, kamult or their hybridized strains) and products thereof		<b>X</b>	<b>X</b>	
<b>CRUSTACEANS</b> and product thereof		<b>X</b>		<b>X</b>
<b>EGGS</b> and products thereof		<b>X</b>		<b>X</b>
<b>FISH</b> and products thereof		<b>X</b>		<b>X</b>
<b>PEANUTS</b> and products thereof		<b>X</b>		<b>X</b>
<b>SOYBEAN</b> and products thereof		<b>X</b>		<b>X</b>
<b>MILK</b> and products thereof		<b>X</b>		<b>X</b>
<b>NUTS:</b> almond, hazelnut, walnut, cashew, pecan, brazil, pistachio, macadamia, and Queensland and product thereof		<b>X</b>		<b>X</b>
<b>CELERY</b> and products thereof		<b>X</b>		<b>X</b>
<b>LUPIN</b> and products thereof		<b>X</b>		<b>X</b>
<b>MOLLUSCS</b> and products thereof		<b>X</b>		<b>X</b>
<b>MUSTARD</b> and products thereof		<b>X</b>		<b>X</b>
<b>SESAME SEEDS</b> and products thereof		<b>X</b>		<b>X</b>
<b>SULPHUR DIOXIDE &amp; SULPHITES</b> at concentrations of more than 10 mg/kg or 10 mg/liter expressed as SO <sub>2</sub>		<b>X</b>		<b>X</b>

**Gluten:** From Barley Malt Extract. It is stored separately from other ingredients. Each container is marked with “Allergen” tags. Manufacture of product containing gluten (Gustal) is as the last product to be produced prior to the department being shut down for wet cleaning.

# SAFETY DATA SHEET

SECTION 1: Identification			
<b>Product Name: Lyside Forte BUS</b> Product codes: 74800	Manufacturer: Red Star Yeast Co., LLC 7475 West Main St Milwaukee, WI 53214 414-615-4085 <b>Emergency Phone: 800-424-9300</b>		
Lyside Forte BUS is vitamin fortified inactive yeast produced from a strain of <i>Saccharomyces cerevisiae</i> used as a supplement ingredient.			
SECTION 2: Hazard(s) Identification			
Health Hazard - None			
Yeast has been found to be a sensitizing agent in some individuals due to high protein levels. Not allergenic.			
SECTION 3: Composition / Information on Ingredients			
Ingredient	CAS #	% By Weight	
Yeast ( <i>S. cerevisiae</i> )	8013-01-2	>98.00 %	
Nicotinic Acid	59-67-6	Proprietary	
Calcium D-Pantothenate	137-08-6	Proprietary	
Thiamin Hydrochloride	59-43-8	Proprietary	
Riboflavin	83-88-5	Proprietary	
Pyridoxine Hydrochloride	58-56-0	Proprietary	
Folic Acid	59-30-3	Proprietary	
Biotin	58-85-5	Proprietary	
Cyanocobalamin	68-19-9	Proprietary	
SECTION 4: First Aid Measures			
Eye Contact: Flush eyes with clear water for 15 minutes			
Inhalation: Remove person to area of fresh area			
SECTION 5: Fire-Fighting Measures			
<b>Flash Point</b>	Solid	<b>Extinguishing Material</b>	CO <sub>2</sub> , Water or Foam
<b>Flammable Limits</b>	NA	<b>Hazard. Combustion Prods</b>	None
<b>Explosion - Mechanical</b>	None	<b>Explosion - Static</b>	High Dust Levels
<b>Firefighting Hazards</b>	Material may become slippery when wet		
SECTION 6: Accidental Release Measures			
Spilled yeast powder can be cleaned up by vacuum or sweeping and disposed of in landfill. Wet cleaning can be used to remove fine dust, with liquid waste to sewer.			
SECTION 7: Handling and Storage			
<b>Handling:</b> Avoid breathing dust. Avoid contact with skin and clothing. Keep out of eyes			
<b>Storage:</b> Store in original packaging or in clean covered container. Store in cool, dry conditions. Do not leave open bags exposed.			
SECTION 8: Exposure Controls / Personal Protection			
<b>Respiratory Protection:</b> Wear general purpose nuisance dust mask when handling			
<b>Eye Protection:</b> Wear safety goggles to avoid eye contact			
<b>Clothing:</b> No special requirements related to safety of product			
<b>Engineering Controls:</b> Dust collection equipment if excessive dust in area			

## SAFETY DATA SHEET

<b>SECTION 9: Physical and Chemical Properties</b>			
<b>Appearance</b>	Yellow- Tan Powder	<b>Explosion Limits</b>	Not Applicable
<b>Vapor Pressure</b>	Not Applicable	<b>Vapor Density</b>	Not Applicable
<b>pH</b>	4.5-6.5 (10% Solution)	<b>Relative Density</b>	0.7 g/ ml
<b>Melting Point</b>	Not Applicable	<b>Freezing Point</b>	Not Applicable
<b>Solubility</b>	Slightly	<b>Boiling Point</b>	Not Applicable
<b>Flash Point</b>	Not Applicable	<b>Evaporation Rate</b>	Not Applicable
<b>Odor</b>	Yeast	<b>Viscosity</b>	Not Applicable
<b>Partition Coefficient</b>	Not Applicable	<b>Auto-ignition Temp</b>	Not Applicable
<b>Decomposition Temp.</b>	Not Applicable		
<b>SECTION 10: Stability and Reactivity</b>			
<b>Reactivity</b>	Non-reactive		
<b>Chemical Stability</b>	Stable under normal conditions of use		
<b>Other</b>	None		
<b>SECTION 11: Toxicological Information</b>			
Material is Generally Recognized as Safe (21 CFR)			
<b>Long Term Exposure</b>	No effects known		
<b>Short Term Exposure</b>	No effects known		
<b>Sensitization</b>	Possible sensitizing agent due to high protein content		
<b>Allergen</b>	Not a know allergen		
<b>Carcinogenicity</b>	Not Listed as carcinogenic by NTP or IARC		
<b>Reproductive Toxicity</b>	None		
<b>SECTION 12: Ecological Information (non-mandatory)</b>			
No environmental effect			
<b>SECTION 13: Disposal Considerations (non-mandatory)</b>			
Product can be disposed of in landfill or to sanitary sewer discharge in accordance with local regulations			
<b>SECTION 14: Transport Information (non-mandatory)</b>			
<b>Shipping Classification</b>	Not Hazardous		
<b>Refrigeration</b>	Not Required		
<b>SECTION 15 Regulatory Information (non-mandatory)</b>			
Production is regulated by the US FDA.			
<b>SECTION 16: Other Information</b>			
Updated: August 26, 2014			