

## 1. GENERAL DESCRIPTION

FWK's Vitamin B12 powder 1% (FWK -VB12-2) is the compound nutritional enhancement powder which is mainly used in food industry. The product is produced under the advanced microencapsuled production technology. FWK's Vitamin B12 powder 1% is the From light red to brown powder without any foreign matter or odor.

## 2. TYPICAL COMPONENT PROPERTIES

Product Name:	Vitamin B12 Powder(Methylcobalamin ) 1%
Identification:	The retention time of the principal peak conforms to which in the reference solution.
Assay:	1.0% Min.
Sieve Analysis:	100% Through Sieve No.40 (US) $\geq$ 80% Through Sieve No.80 (US)
Loss on drying:	5.0% Max.
Lead:	2ppm Max.
Arsenic :	2ppm Max.
Total aerobic microbial count:	1000cfu/g Max.
Yeast & Molds:	100cfu/g Max.
Enterobacterial:	10cfu/g Max.
*Salmonella:	Negative in 25g
*Escherichia coli:	Negative in 10g
*Staphylococcus aureus:	Negative in 10g

### 3. COMPOSITIONSCALE

Ingredients

Methylcobalamin	1-1.2%
D-Mannitol	98.8%-99%

### 4. APPLICATIONS

FWK's Vitamin B12 powder 1% is mainly used in solid beverage and modulated milk powder as nutritional enhancement. It is classified as food material worldwide including the European Union.

FWK's Vitamin B12 powder 1% is mainly used in two ways. One is to directly mix the powder evenly in the mixer according to the formula. And the other is to dissolve it with a little water at first, then add it to products and stir well.

### 5. STORAGE AND HANDLING

FWK's Vitamin B12 powder 1% is stable for at least two years when stored at ambient temperature in closed containers and away from sunlight and other sources of UV light. And being stored under 25°C is recommended.

For more details about product handling and safety information, please refer to the FWK Material Safety Data Sheet (MSDS).

### 6. PRODUCT STEWARDSHIP

FWK has a fundamental concern for all who make, distribute and use its products, and for the environment in which we live. This concern is the basis for our product stewardship philosophy by which we assess the safety, health, and environmental information on our products and then take appropriate steps to protect employee and public health and our environment. The success of our product stewardship program rests with each and every individual involved— from the initial concept and research, to manufacture, use, sale, disposal and recycle of each product.

### 7. SAFETY CONSIDERATIONS

Material Safety Data Sheets (MSDS) are available to help customers satisfy their own handling, safety and disposal needs and those that may be required by locally applicable health and safety regulations. MSD sheets are updated regularly, therefore, please request and review the most current MSD sheet before handling or using any product. And contacting with FWK freshly before handling is more recommended.

## 8. CUSTOMER NOTICE

FWK encourages its customers to review their application of our products from the standpoint of human health and environmental quality. To help ensure that our products are not used in ways for which they were not intended or tested, pls contact with FWK for the assistance for ecological and product safety.