

## Product Specification

### Vitamin B2 Riboflavin

General Information	
<b>Products Name</b>	Vitamin B2 Riboflavin
<b>CAS No.</b>	83-88-5
<b>HS Code</b>	293623
<b>Specification</b>	FCC/USP
BASIC ANALYSIS	
Analysis	Description
<b>Appearance</b>	Orange yellow crystalline powder
<b>Identification</b>	positive reaction
<b>Specific Rotation</b>	Should be clear and colorless
<b>Color of solution</b>	No more than solution Y7 or GY7
<b>PH</b>	2.7 – 3.3
<b>Sulfates</b>	300 ppm max
<b>Nitrates</b>	None
<b>Heavy metals</b>	20 ppm max
<b>Absorbance of solution</b>	0.025 max
<b>Chromatographic purity</b>	1% max
<b>Loss on drying</b>	5.0% max
<b>Residue on ignition</b>	0.10% max
<b>Assay</b>	98.5 – 101.5%
Microbial Analysis	
<b>Total Plate Count</b>	≤ 250
<b>Total Yeast &amp; Mold</b>	≤ 50
<b>Coliforms</b>	≤ 3
<b>E. Coli</b>	Negative
<b>Salmonella</b>	Negative
ADDITIONAL INFORMATION	
<b>Product Description</b>	Vitamin B2, E101, CAS no.83-88-5, Chemical Formula C17H20N4O6, also know as Riboflavin. It is a Yellow or orange-yellow, crystalline powder. Slightly soluble in water, practically insoluble in alcohol. Solutions deteriorate on exposure to light, especially in the presence

	of alkali. Vitamin B2 Riboflavin can be used as supplement in fortify foods, typical products include cereals, sauces, vitamin supplements, soups.
<b>Applications and Uses</b>	Vitamin B2 Riboflavin can used in Food, Beverage, Pharmaceutical, Health & Personal care products, Agriculture/Animal Feed/Poultry. Vitamin B2, also known as Riboflavin, used as a food coloring as well as being used to fortify some foods. Vitamin B2 Riboflavin is used in baby foods, breakfast, cereals, pastas, sauces, processed cheese, fruit drinks, vitamin enriched milk products and some energy drinks.
<b>Packaging</b>	25kg / drum; paper drum, 5kg / PE-bag; 1kg / PE-bag Inner-Packaging filled in PE-bag, filled in second PE bag PE Bags:food grade
<b>Shelf life</b>	3 years when properly stored Store at room temperature or lower, keep tightly closed, protect from light, humidity and insects
<b>Safety and quality</b>	The powder is produced in a GMP environment under strict control, which conforms to the relevant laws and regulations of the state.
<b>Kosher Certified</b>	Vitamin B2 Riboflavin is general recognized as Kosher classified as Parve.
<b>Halal Certified</b>	Vitamin B2 Riboflavin is a type of vitamin also know as Riboflavin, generally recognized as halal.
<b>Gluten Free</b>	Vitamin B2 Riboflavin is gluten free and widely used in gluten free food to provide a great dietary supplement that are essential for human health to processed food.

