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## Typical Product Specifications & Properties

# Vitamin B2

CAS Number: : 83-88-5

| Specifications          | Limits                                        |
|-------------------------|-----------------------------------------------|
| Sensoric                | Orange yellow crystalline powder              |
| Assay %                 | 98.0% to 102.0%                               |
| Melting Point           | 282 c (dec.)                                  |
| Loss on Drying          | 1.5% Max                                      |
| Heavy Metals; USP <231> | 25 ppm Max                                    |
| Salmonella              | Negative in 25g                               |
| E Coli & Salmonella     | Negative in 25g                               |
| Odor                    | orange to yel. cryst., sl. odor, bitter taste |
| Iron                    | Not-detectable                                |
| Identification          | Positive                                      |
| Specific Rotation       | +56.5? to +59.5?                              |
| Acidity & Alkalinity    | 4.8                                           |



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| Specifications         | Limits               |
|------------------------|----------------------|
| Calcium                | Not-detectable       |
| Insolubility           | in ether, chloroform |
| Sodium                 | Not-detectable       |
| Protein                | Not-detectable       |
| Residue on evaporation | 0.3% Max             |
| Yeast                  | NMT 300 cfu/g        |
| Total Calories         | Not-detectable       |
| Total Carbohydrates    | Not-detectable       |
| Cholesterol            | Not-detectable       |
| Total Fat              | Not-detectable       |
| Standard Fat           | Not-detectable       |
| Calories From Fat      | Not-detectable       |



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| Specifications   | Limits            |
|------------------|-------------------|
| Dietary fiber    | Not-detectable    |
| Sugars           | Not-detectable    |
| Vitamin A        | Not-detectable    |
| Vitamin C        | Not-detectable    |
| Light Absorbency | Conform           |
| KClO3            | 440 nm NMT 0.025  |
| Molecular weight | 376.41            |
| Slightly Soluble | in water, alcohol |



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