

SPECIFICATION

Product Name: Vitamin B8 Inositol (Indian Make)
Chemical Formula: C ₆ H ₁₂ O ₆
CAS Number: 87-89-8
Molecular Weight: 180.16 g/mol
Appearance: A white or almost white crystalline powder
Odor: Odorless

Chemical Composition

Parameter	Unit	Typical Value	Specification (Min./Max.)
Identification	-	Complies	A. Determine by IR B. Determine by UV Light C. Melting Point
Appearance of solution	-	Complies	Solution A is clear and colourless.
Conductivity	s/cm	Complies	≤20μ S/cm
Related Substances	%	0.07%	Impurity A: NMT 0.3%
	%	0.13%	Impurity B: NMT 0.3%
	%	0.07%	Other impurity: NMT 0.1%
Total impurities	%	Complies	≤1.0%
Assay	%	99.87%	97% - 102%
Water	%	0.08%	≤0.5%
Lead	PPM	Complies	≤0.5 PPM

Physical Properties

- Solubility: Soluble in water. Soluble in ethanol. Insoluble in chloroform. Insoluble in ether.

Shelf Life & Storage

- Shelf Life: 4 years from date of manufacture under recommended storage.
- Storage Conditions: Store in a cool, dry place at 15–25°C. Protect from moisture, excessive heat, and direct sunlight. Keep the container tightly closed in the original, properly labeled container and store in a well-ventilated area to maintain product quality and stability.

Applications

- Use: Widely used as a nutritional ingredient in pharmaceutical and nutraceutical formulations to support cellular signaling, nervous system function, and normal metabolic processes. It is commonly included in dietary supplements for reproductive health (including support for women with PCOS), insulin sensitivity, mood and mental wellness, and nerve health. It is also used in tablets, capsules, powders, sachets, and functional foods and beverages.
- Dosage: Depends on the intended use, patient age, and product formulation. It should be used according to product specifications or as directed by a qualified healthcare professional.

Packaging

- Standard Packing: 25 Kgs woven pp bag with inner liner or as per customer requirement.
 - Labeling: Product name, batch number, net weight, manufacture date, expiry date, and manufacturer details.
- * Specifications are based on the manufacturer's provided specifications.