



37020

## Azomethine H Monosodium Salt Hydrate, 97%

Part B

CAS : 206752-32-1

Molecular Formula : C<sub>17</sub>H<sub>12</sub>NO<sub>8</sub>S<sub>2</sub>Na.XH<sub>2</sub>O

Molecular Weight : 445.40

### Specifications

Appearance (Colour)	Yellow to orange
Appearance (Form)	Powder
Assay (On dry basis)	min. 97%
Absorbance (A) of 1% solution (pH 5.1) in a 1cm cell @236nm	min. 1200

### Other Information

Application

Azomethine H is a colorimetric reagent for boron detection.

It forms an orange complex with boron in aqueous solution. The molar absorptivity of this complex is 1.01x10<sup>4</sup> at 415nm. The detection range of boron in sample solutions is 1-6µm per ml or 1.0-6ppm. To detect boron in plant samples EDTA is used to mask copper, iron and aluminium ions.

Boron determinations are used in,  
1. Soil, plants, composts, manure, water and nutrient solutions  
2. Glass and Steel samples (microgram levels of boron)

Azomethine H is also used in Electrocyclization Reactions in the synthesis of Martinelllic acid, Spirotryprostatin A, Benzodiazepinones.

### General Information

Storage	2 to 8°C (Refrigerate)
Shelf Life	60 Months
IMDG Identification	Not Regulated for Transport (Non-Haz)
HSN Code	
1 Gms	29222190 (GST 18%)
25 Gms	29222190 (GST 18%)
5 Gms	29222190 (GST 18%)

## Type of Packing

1 Gms

Glass Bottle

25 Gms

Glass Bottle

5 Gms

Glass Bottle

## Available Packages

1 Gms

5 Gms

25 Gms

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### Disclaimer

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