

## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : 3-METHYL-2-BENZOTHAZOLINONE HYDRAZONE  
HYDROCHLORIDE AR (MBTH)**

|                         |                                                                      |                     |              |
|-------------------------|----------------------------------------------------------------------|---------------------|--------------|
| <b>CAS No</b>           | : 149022-15-1                                                        | <b>Product code</b> | : 24270      |
| <b>Mol. Formula</b>     | : C <sub>8</sub> H <sub>10</sub> ClN <sub>3</sub> S.H <sub>2</sub> O | <b>Batch No.</b>    | : MCR-31979  |
| <b>Mol. WT</b>          | : 233.72                                                             | <b>Mfd.</b>         | : Sept. 2024 |
| <b>Date of Analysis</b> | : 23/09/24                                                           | <b>Exp.</b>         | : Aug. 2029  |

| S.R | Test          | Specification             | Observation          |
|-----|---------------|---------------------------|----------------------|
| 1   | Description   | White to off white powder | White powder         |
| 2   | Assay         | 97 % w/w min.             | 97.54% w/w           |
| 3   | Melting point | 276 - 278 <sup>0</sup> C  | 276.4 <sup>0</sup> C |

**REMARK:** THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

**[Tested By]**



**CHEMIST  
(Sayli)**

**[QC Incharge]**



**HEAD-QUALITY ASSURANCE  
(G.G.Salian)**

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