



## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : AMIDO BLACK 10B**  
(NAPHTHALENE BLACK 12B)

|                         |                                                                                            |                     |                    |
|-------------------------|--------------------------------------------------------------------------------------------|---------------------|--------------------|
| <b>CAS No</b>           | <b>: 1064-48-8</b>                                                                         | <b>Product code</b> | <b>: 31045</b>     |
| <b>Mol. Formula</b>     | <b>: C<sub>22</sub>H<sub>14</sub>N<sub>6</sub>Na<sub>2</sub>O<sub>9</sub>S<sub>2</sub></b> | <b>Batch No</b>     | <b>: MCR-27153</b> |
| <b>Mol. WT</b>          | <b>: 616.50</b>                                                                            | <b>Mfd.</b>         | <b>: Dec. 2022</b> |
| <b>Date of analysis</b> | <b>: 13/12/22</b>                                                                          | <b>Exp.</b>         | <b>: Nov. 2027</b> |

| S.R | Test                                | Specification                              | Observation   |
|-----|-------------------------------------|--------------------------------------------|---------------|
| 1   | * Description                       | Red or brown to dark brown or black powder | Black powder. |
| 2   | Dye content (titrimetric)           | 80 % w/w min                               | 80.30%w/w     |
| 3   | Absorption maxima (in water)        | 617-620nm                                  | 618.6 nm      |
| 4   | Loss on drying (110 <sup>0</sup> c) | 10% max                                    | 2.43%         |
|     | Suitability as redox indicator      | Passes test                                | Passes test   |
| 6   | Suitability for electrophoresis     | Passes test                                | Passes test   |

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

**[Tested By]**

**CHEMIST**  
**(Asmita)**

**[QC Incharge]**

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

**Note:** Computer generated image requires no sign.

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