



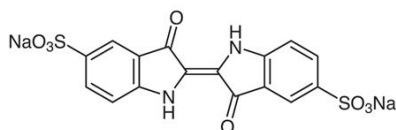
## Certificate of Analysis.

### Indigo carmine GC Reference Standard, Anstan<sup>®</sup>.

|                   |  |
|-------------------|--|
| Product code:     | <b>BS13974.</b>  |
| Description:      | <b>Indigo carmine GC Reference Standard, Anstan<sup>®</sup>.</b>                         |
| Chemical Name:    | <b>Acid Blue 74.</b>   |
| Pack Size:        | <b>100 gm.</b>   |
| CAS NO.:          | <b>860-22-0.</b>   |
| Mol. Weight:      | <b>466.35 g/mol.</b>   |
| Mol. Formula:     | <b>C<sub>16</sub>H<sub>8</sub>N<sub>2</sub>Na<sub>2</sub>O<sub>8</sub>S<sub>2</sub>.</b> |
| MDL Number:       | <b>MFCD00005723.</b>   |
| Density:          | <b>1.01 g/ml.</b>  |
| Solubility:       | <b>Slightly soluble in water.</b>  |
| Storage:          | <b>Store at ambient temperature.</b>   |
| LOT NO.:          | <b>Sample.</b>   |
| Manufacture Date: | <b>Lot specific.</b>   |
| Expiry Date:      | <b>5 years.</b>  |

| Characteristics               | Specification   | Measured Values      |
|-------------------------------|---|----------------------|
| Appearance:                   | Dark red to Dark purple to Dark blue powder to crystal. | <b>Lot specific.</b> |
| Identification by NMR:        | Confirms to structure.                                  | <b>Lot specific.</b> |
| Identification by MASS:       | Confirms to structure.                                  | <b>Lot specific.</b> |
| Identification by IR:         | Confirms to structure.                                  | <b>Lot specific.</b> |
| Solubility:                   | Blue to very dark blue solution.                        | <b>Lot specific.</b> |
| LOD at 135°C Percent by mass: | NMT.15.00%.   | <b>Lot specific.</b> |

Please Note: - This material is only for laboratory purpose and not for human consumption. This is a computer generated COA, no stamp or signature is required.




**Dr.K. Deepti.**  
**Technical Head.**

