



azienda chimica e farmaceutica

## TECHNICAL DATA SHEET

Product: **INDOLE-3-CARBINOL**

CAS 700-06-1  
FORMULA C<sub>9</sub>H<sub>9</sub>NO  
MOLECULAR WEIGHT 147.18

| TEST                                 | METHOD | min - max                                                  | u.m.  |
|--------------------------------------|--------|------------------------------------------------------------|-------|
| Aspect                               |        | Off white powder                                           |       |
| Odour                                |        | Characteristic odour                                       |       |
| Identification HPLC                  |        | Conforme to specification                                  |       |
| Solubility                           |        | Insoluble in cold water. Soluble in alcohol and in acetone |       |
| Loss on drying                       |        | <=2,00                                                     | %     |
| Melting range                        |        | 95,0 - 99,0                                                | °     |
| Bulk density tapped                  |        | 0,25 - 0,65                                                | g/ml  |
| Bulk density                         |        | 0,15 - 0,45                                                | g/ml  |
| Particle size                        |        |                                                            |       |
| - 20 mesh                            |        | >=90,0                                                     | %     |
| - 40 mesh                            |        | >=50,0                                                     | %     |
| - 80 mesh                            |        | >=30,0                                                     | %     |
| Assay (HPLC)                         |        | 99,60 - 105,00                                             | %     |
| Heavy metals                         |        | <=20                                                       | ppm   |
| Lead                                 |        | <=3,0                                                      | ppm   |
| Arsenic                              |        | <=1,00                                                     | ppm   |
| Cadmium                              |        | <=1,0                                                      | ppm   |
| Mercury                              |        | <=0,10                                                     | ppm   |
| Residual solvents                    |        | To comply as EU Directive 2009/32/EC                       |       |
| Total Aerobic Count                  |        | <=5.000                                                    | CFU/g |
| Yeasts and mould                     |        | <=100                                                      | CFU/g |
| E. Coli                              |        | Negative/10g                                               |       |
| Salmonella                           |        | Negative/10g                                               |       |
| Staphylococcus aureus                |        | Negative/10g                                               |       |
| Pseudomonas aeruginosa               |        | Negative/10g                                               |       |
| Bile-tolerant gram-negative bacteria |        | Negative/10g                                               |       |
| Rev.                                 |        | 0                                                          |       |
| Approval Date                        |        | 20/05/2016                                                 |       |



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