




# Product Data Sheet

## 7301

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|                             |   |                            |       |                       |         |   |
|-----------------------------|---|----------------------------|-------|-----------------------|---------|---|
| <b>Product Description</b>  | <p>Black Spot Control Tubes for steam sterilizers working at 121°C for 15 minutes. The Browne Control Tube consists of a borosilicate glass tube sealed at both ends. The tube contains approximately 200µl of heat sensitive red liquid which changes colour from red to green at various times and temperatures which are integrated by the device. The tubes are sold in boxes of 100.</p>   |                            |       |                       |         |  |
| <b>Specification</b>        | The tube solution will change through amber to green at 121°C for 15 min.   |                            |       |                       |         |   |
| <b>Applicable standards</b> | ISO 11140-1 Class 4   |                            |       |                       |         |   |
| <b>Product Size</b>         | 45mm x 5mm diameter   |                            |       |                       |         |   |
| <b>Packaging</b>            | Primary case contents:  | 100 indicators             | Size: | 140mm x 30mm x 50mm   | Weight: | 130g Gross  |
|                             | Secondary case contents:  | 10 cases of 100 indicators | Size: | 175mm x 110mm x 155mm | Weight: | 1.35Kg Gross  |
| <b>Recommended Storage</b>  | These tubes must always be stored in a cool place, preferably in a refrigerator, but always below 21°C (70°F), otherwise they may deteriorate.  |                            |       |                       |         |   |
| <b>Shelf Life</b>           | 18 months from date of manufacture  |                            |       |                       |         |   |
| <b>Active Components</b>    | <p>The liquid, which is the indicating medium, contains 0.08mg dyes, 4.0mg reagents with the remainder as water. None of the substances used in the formulation is a known carcinogen.</p> <p>The liquid is non-flammable.</p> <p>The liquid components are irritant, and in the case of a tube breakage the liquid should be washed from the skin using copious quantities of cold water. In the case of contact with the eyes, irrigate with tepid water or an approved eye irrigation solution, until the eye irritation is cleared.</p> <p>If the liquid is ingested, wash out mouth thoroughly with water, give plenty of water to drink, seek medical advice. Sweep up broken glass particles, dispose of in sharps container or other safe receptacle. Mop up spillage with absorbent material and cold water, wear protective gloves.</p> |                            |       |                       |         |   |
| <b>Safe Usage</b>           | <p>Browne Control Tubes are designed to be used in steam sterilizers. When used in such devices no inherent hazards are likely to present themselves. Do not expose to temperatures in excess of 200°C. In the event of fire, ensure fire fighting personnel are aware of the risk of flying glass particles.</p> <p>Free from lead and other heavy metals. Does not contain natural rubber latex or dry natural rubber. Do not expose tubes to naked flames as excessive internal pressure could lead to the fracture and failure of the glass tube.</p> <p>When used as intended, the indicator does not release any known to be toxic in sufficient quantities to cause a health hazard, during or after the sterilization process for which it is designated, in accordance with ISO 11140-1:2005, 5.9</p>                                    |                            |       |                       |         |   |
| <b>Disposal</b>             | No special requirements   |                            |       |                       |         |   |

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