

# Technical Specification



**Product:** GuardMark Cleanroom Pen

**Codes:**  
ZSBK01012 (black)  
ZSBL01012 (blue)



<b>Product</b>	Stationery
<b>Brand</b>	GuardMark
<b>Material</b>	Cleanroom Pen
<b>Colour</b>	Black/blue

## PRODUCT INFORMATION

Former Code(s)	GMP-BK-12-S GMP-BL-12-S
Product Description	Sterile individually packed pens
Intended Use	Sterile cleanroom pens for marking on paper and labels
Pack Format	12 individually double-packaged pens per outer packaging 10 packs of 12 pens per carton
Carton Label Information and Traceability	<ul style="list-style-type: none"> <li>▪ Product description</li> <li>▪ Colour</li> <li>▪ Pack quantity</li> <li>▪ Product code &amp; barcode</li> <li>▪ Batch number</li> <li>▪ Expiry date</li> <li>▪ Pack quantity</li> <li>▪ Irradiation indicator</li> </ul>
Carton Specification	Dimensions (mm) = 330 x 280 x 100 Weight (kg) = 1

## TECHNICAL INFORMATION

Materials and Performance	Material = HDPE, chemical resistant, IPA compatible Size = 138mm x 10mm Low out gassing and low particulate generation Anti static @ surface resistance $1 \times 10^{10}$ ohms Low sodium and chloride ink Low heavy metals ink meeting ROHs Directive 2002/95/EC Non smearing ink  <b>Contamination</b> Ion    Typical Value    Test Method CL    1.12ug/cm <sup>2</sup> Ion Chromatography Na    1.99ug/cm <sup>2</sup> Ion Chromatography
Packaging	Primary and secondary packaged in polythene bags in ISO 14644 Class 6 (at rest) cleanroom
Sterilisation Method	Sterilised by gamma irradiation (25kGy dose minimum)
Quality Assurance	Product supplied under BS EN ISO 9001 registered systems
Storage Conditions	Store in a dry, well-ventilated area in ambient conditions
Hazard Statement	Non-hazardous
Shelf Life	2 years from date of manufacture

### Contact Details

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