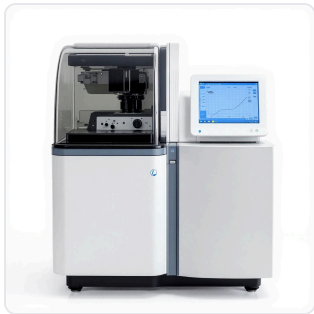


DATASHEET · ANALYTICAL INSTRUMENTS

Spectrophotometric Colorimeter.

SKU BIO-0468 Spec v1 Rev. 2026-07-12

DATASHEET · P  
BIO-  
Rev 2026



PRODUCT FAMILY  
ANIMAL MODEL  
APPLICATION  
COUNTRY OF ORIGIN  
MFG. STANDARD  
LOT TRACEABLE No  
VERIFIED Spec v1 · 2026-07-12

PRODUCT SPECIFICATIONS FROM PUBLISHED PRODUCT

|                            |                                                                                                                          |                                 |                                                                             |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------|---------------------------------|-----------------------------------------------------------------------------|
| AUTOMATION LEVEL           | semi-automated                                                                                                           | ILLUMINATION/OBSERVATION SYSTEM | d/8° (diffused illumination, 8-deg viewing angle) Conforms to CIE GB/T 3978 |
| INTEGRATING SPHERE SIZE    | φ58mm                                                                                                                    | LIGHT SOURCE                    | Combined LED sources                                                        |
| SENSOR                     | Silicon photodiode array                                                                                                 | WAVELENGTH RANGE                | 400~700nm                                                                   |
| WAVELENGTH PITCH           | 10nm                                                                                                                     | REFLECTANCE RANGE               | 0~200%                                                                      |
| MEASURING APERTURE         | φ8mm                                                                                                                     | COLOR SPACE                     | CIE LAB, XYZ, Yxy, LCh, CIE, LUV                                            |
| COLOR DIFFERENCE FORMULA   | ΔE*ab, ΔE*uv, ΔE*94, ΔE*cmc(2:1), ΔE*cmc(1:1), ΔE*00                                                                     | OBSERVER                        | 2°/10°                                                                      |
| ILLUMINANT                 | D65, D50, A, C, D55, D75, F1, F2(CWF), F3, F4, F5, F6, F7(DLF), F8, F9, F10(TPL5), F11(TL84), F12(TL)                    | MEASUREMENT TIME                | 1.5s                                                                        |
| INTER INSTRUMENT AGREEMENT | Within ΔE*ab 0.2(Average for 12 BCRA Series II color tiles)                                                              | BRAND                           | ConductScience                                                              |
| RESEARCH DOMAIN            | Analytical Chemistry, Clinical Diagnostics, Environmental Monitoring, Food Science, Materials Science, Pharmaceutical QC | DIMENSIONS L×W×H (MM)           | 23.0 × 9.0 × 7.7                                                            |
| WEIGHT (KG)                | 3.0                                                                                                                      | AVAILABILITY                    | In stock                                                                    |

BILL OF MATERIALS · 1 LINE ITEMS BASE CONFIGURATION

|                                  |          |
|----------------------------------|----------|
| Chat with us                     | SKU      |
| 1 Spectrophotometric Colorimeter | BIO-0468 |

Scope.

[INFO@CONDUCTSCIENCE.COM](mailto:INFO@CONDUCTSCIENCE.COM)   [CONDUCTSCIENCE.COM](https://CONDUCTSCIENCE.COM)

BIO-0468 · DATASH

DATASHEET · ANALYTICAL INSTRUMENTS

# Spectrophotometric Colorimeter.

SKU BIO-0468   Spec v1   Rev. 2026-07-12

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BILL OF MATERIALS · EXTENDED ATTRIBUTES

| ITEM                           |
|--------------------------------|
| Spectrophotometric Colorimeter |

MATERIALS REFERENCE

0 MATERIAL

| CODE | DESCRIPTION | PROPERTIES | USED IN |
|------|-------------|------------|---------|
|------|-------------|------------|---------|

Cross-reference.



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# Spectrophotometric Colorimeter.

SKU BIO-0468   Spec v1   Rev. 2026-07-12

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OPERATING & STERILIZATION ENVELOPES

CONDITIONS, CYCLES, COM

|                                                                                                |                                                                                      |
|------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| <div>OPERATING</div> <div>TEMPERATURE</div> <div>HUMIDITY</div> <div>PRESSURE</div>            | <div>STORAGE</div> <div>TEMPERATURE</div> <div>HUMIDITY</div> <div>ORIENTATION</div> |
| <div>STERILIZATION &amp; CLEANING</div> <div>AUTOCLAVE</div> <div>GAMMA</div> <div>AVOID</div> | <div>ETO</div> <div>WIPE</div>                                                       |

| ANIMAL COMPATIBILITY | BY SPECIES  | NOTES       | USE & S |
|----------------------|-------------|-------------|---------|
| SPECIES              | BODY WEIGHT | CHAMBER FIT |         |

Specifications verified against current published product data. Verified 2026-07-12 · Since 2026-07-12.

**Cite:** ConductScience BIO-0468, Spec v1, 2026-07-12. [conductscience.com/lab/spectrophotometric-colorimeter](https://conductscience.com/lab/spectrophotometric-colorimeter)

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