

SUBJECT INDEX

Absorption: 89, 108, 123, 124, 135
Accumulation: 128
Adsorption isotherms: 48
Affinity: 45
Analysis: 30, 53, 63, 109
Bleach Stability: 82, 104
Brightener build-up: 82
Brightener concentration: 40, 101
Brighteners (compounds): 64, 68,
69, 89, 118, 119
Brightener stability: 97, 113, 119
125
Brightness: 12, 17, 24, 33, 36,
39, 40, 41, 46, 64, 103
Calibration: 12
Chromaticity: 4, 56
Chromatographic analysis: 131, 132
Color: 26
Color difference: 56
Color fastness: 51
Color or hue of fluorescence: 27,
34, 41, 46, 52, 61
Correlation with eye sensitivity:
48, 54
Degradation of cellulose: 60, 125
Detergents: 28, 41, 46, 56, 64,
68, 110, 127, 128
Dyes: 1, 44, 54, 77, 108, 112,
129, 132
Effect of age: 20
Efficiency: 24, 84, 98
Emission intensity: 121
Energy distribution: 24, 29, 30,
101
Excitation spectra: 135
Eye sensitivity: 12, 34
Fabric color: 40, 75
Fabric damage: 81
Fabrics:
Cotton: 14, 43, 64, 68, 105,
106, 111, 116, 124
Dyne1: 81
Linen: 1
Nylon: 81, 124
Polyamide: 116
Saran: 81
Spun rayon: 116
Synthetics (unidentified): 118
Resin-treated: 124, 133
Vinylon: 65
Viscose: 1, 116
Wool: 14, 112, 118
Filters: 7, 9, 24, 27, 28, 41, 50,
59, 65, 71, 74, 107, 108, 120,
121

Fixing Agent: 51
Fluorescence:
 Food: 8, 87, 111
 Intensity: 96, 102, 121
 Ores: 10
 Paint: 78
 Paper: 39, 54, 61, 67, 90, 94,
 102, 103, 114, 115, 117,
 119, 123, 129, 131
 Pigments: 47
 Quenching: 96
 Soil: 5
 Solutions: 49, 55
 Textiles: 1, 14, 15, 17, 20,
 24, 27, 31, 32, 33, 34, 36,
 40, 46, 48, 56, 57, 63, 68,
 93, 97, 98, 105, 106, 108,
 109, 111, 113, 116, 131,
 133, 134
Fluorescence Spectrum: 2, 24, 27,
 87
Fluorescent colors: 13, 30, 31
Hue: 31, 59
Instrument components: 85, 86, 91
Instruments:
 Absorptiometer: 35
 Attachments: 99
 Color difference Meter: 26, 56
 Colorimeter: 33, 34, 47, 52,
 63, 93, 107
 Fade-Ometer: 51, 97
 Fluorimeter, fluorometer: 6,
 11, 18, 32, 35, 41, 49, 52,
 62, 66, 71, 72, 73, 78, 83,
 85, 92, 108
 Fluorophotometer: 15
 Galvanometer: 32, 40, 41
 Phtocells: 40, 59, 86
 Phtometer: 3, 12, 33, 65, 120
 Reflectometer: 56, 59, 105,
 115, 130
 Spectrofluorophotometer: 50, 91
 Spectrophotometer: 2, 13, 15,
 24, 43, 47, 52, 74, 78, 86,
 87, 91, 99, 135
 Ultraspectrophotometer: 41
 Unidentified: 117
Kubelka-Munk function: 101
Laundering: 104, 105, 109, 128
Legal: 42
Light components: 38
Light fastness: 27, 31, 51, 62,
 69, 92, 112, 116
Light sources:
 Daylight: 34, 46, 50, 54, 121
 Fluorescent: 25, 29, 74
 Incandescent: 27, 50
 Mercury lamp: 65, 91, 108

Polarized: 37
Sunlamp: 13
Sunlight: 31, 40, 47, 64
Ultraviolet: 5, 7, 9, 12, 17,
24, 27, 32, 40, 46, 49, 52,
55, 98, 99, 107, 114, 121,
132
Ultraviolet and visible: 27,
34, 83, 107
Xenon arc: 55
Luminosity: 17
Mechanism of brightening: 20, 36,
57, 84
Molecular weight: 45
Monochromator: 74
Optical density: 66
Panel evaluation: 20, 46
Parasite illumination: 71
Patents: 26, 44, 64
Perborate bleach: 56, 105
Photography: 3, 86, 122
Preparation of fabric: 46
Quality control: 40
Quantum efficiencies: 47, 101, 121
Quantum theory: 75
Reflectance: 39, 43, 47, 56, 59,
63, 105, 115, 130
Reflectance values: 78
Review: 8, 16, 18, 19, 21, 22, 23,
28, 44, 53, 58, 70, 76, 80, 88,
95, 100, 111, 136
Sensitizing: 68
Soaps: 28, 41, 46, 56, 110
Spectral characteristics: 4, 29,
47, 49, 63, 72, 92, 107, 120
Standards: 3, 17, 18, 34, 40, 93
Synthesis: 43
Temperature: 37
Transmittance: 43, 115, 120, 121
Tristimulus values: 4, 38, 47
Viscosity: 37
Visual evaluation: 12, 34, 40, 56,
64, 66, 82, 83, 86, 103, 114 132
Wash fastness: 51, 69, 112
Wavelength: 24, 52, 74, 92
Whiteness: 1, 27, 34, 36, 40, 41,
48, 56, 61, 67, 103, 106, 120,
130, 134