

SUBJECT INDEX TO VOLUME 54

Acids

- amino, 537
- lactic, 421
- nordihydroguaiaretic, 222
- oleanolic, 222
- oleic, 161
- ricinoleic, 335
- salicylic, 513

Acne

- combating, 222
- postadolescent, 226
- and retinoids, 220

Alpha-tocopherol (vitamin E)

- topical delivery of, 161

Antifungal activity

- of antidandruff preparations, 263

Antimicrobials

- Deofix™, 251

Antioxidants

- Deofix™, 251
- Glycyrrhiza glabra* L. (licorice) root extracts, 551

Antiperspirants

- actives, potentiometric/turbidometric titration of, 113
- anhydrous roll-on, 193
- anhydrous soft solid, 193
- gel formula, 193

Cationic compounds (see also Polymers)

- polyquaternium 10 (PQ-10), 63
- quaternized hydroxyl propyl guar derivative (HPG), 63

Chelators

- Deofix™, 251

Chromatography, gas

- in evaluation of hair fiber hydration, 527

Chromatography, HPLC

- determination of methylparaben in o/w emulsions by, 47
- determination of parabens, 239
- determination of TAT-GKH and GKH from skin samples, 483

- preparation of triclosan calibration curve, 537
- quantification of vitamin E acetate penetration by, 119

- reversed phase, 239

Conditioners

- hair, effect on surface hardness of fibers, 579

Creams (see also Gels)

- 2% hydroquinone, 551

Dandruff

- antifungal activity of antidandruff preparations, 263

Deodorants

- Deofix™, 251
- Triclosan™, 251

Differential scanning calorimetry

- in evaluation of hair fiber hydration, 527

Emotional factors

- and modification of cosmetic product perception, 94
- psychological factors of skin care, 318

Emulsifiers

- silicone elastomers in antiperspirant gels, 193

Emulsion(s)

- formulating, 559
- high-internal-phase-ratio w/o type, 427
- o/w, determination of methylparaben in, 47
- o/w microemulsion as vehicle for sunscreens, 451
- paraben-containing preservatives, 239
- use of emulsifying wax in, 559

Enzymes

- matrix metalloproteinases, 229

Eye cosmetics

- mascara and eyeliner, utility and development of, 428
- powdered eye shadows, preservative efficacy testing method for, 411

Face

- blood flow in skin of, 499
- configuration of, 526
- morphology of, 526

- sebum measurements in, 317
 skin, aged and damaged, 104, 526
 wipes, 100
- Fibroblasts**
 UV-irradiated human dermal, 229
- Fragrance(s)** (*see also* Odors)
 retention of, 96
 synthesis from 2-methylfuran, 493
- Gel(s)** (*see also* Creams)
 Cabopol®, 239
 containing sunscreen agents, 513
 hydrophilic, containing 2% polyphenone,
 effect on aged and damaged facial skin,
 104
 lactic acid formulation, skin penetration by,
 421
 massage, composition of, 321
 moisturizing, 321
 Pemulen®, 239
- Hair**
 ammonia/peroxide bleaching of, 395
 appearance, 353
 bending stress of, 427, 525
 body hair, diameter of, 218
 damage, 175, 210, 214, 379
 dandruff, 263
 diffusion kinetics of uranine in, 379
 DNA in fibers, 21
 length, in Florida theme parks, 53
 length, in USA and larger populations, 367
 luster/shine, 335, 353
 major and minor axes of, 427
 optical properties of, 335
 physical properties of, 427, 525
 protein loss from, 175, 214
 surface, 569
 torsional stress of, 525
- Hair care**
 antidandruff preparations, antifungal effects
 of, 263
 cationic conditioning compounds, effect of,
 63
 conditioners, effect on surface hardness of
 hair fibers, 579
- Hair cuticle**
 fiber cuticle angles, 301
 light-scattering factors in, 353
 reinforcement of, 63
 scale lifting and role of cationic conditioning
 compounds, 63
 structural changes in, 353
- Hair dyes**
 concentration ratio in, 379
 diffusion of uranine in, 379
 exposure considerations related to, 208
 measurement of dyed hair color, 318
 protection of, 212
- safety of, 208
- Hair fibers**
 behavior of, 63
 cuticle angles of, 301
 diffusion coefficients in, 379
 DNA analysis of, 21
 dye concentration in fiber radius, 379
 hair strand test, 263
 hydration, 527
 internal structures of, 353
 laser-light reflection from, 301
 modified, 379
 moisture content in, 353
 stabilizer-free, 379
 surface hardness of, 579
 untreated, 379
- Immune system**
 human immune response, 90
 T cells, 90
- Keratin(s)**
 hyperkeratosis, 222
 interaction with model cationic compounds,
 63
 on scalp surface, 263
- Lipids**
 in o/w microemulsions, 451
 interplay with corneocytes in the stratum
 corneum, 102
- Liposomes**
 lipophilic vitamin E acetate in, 119
- Lipstick**
 utility and development of, 427
- Makeup**
 and restoration of youthful look, 318
- Melanins**
Sepia, 395
 synthesis, inhibition by *Ramulus mori*
 extracts, 133
- Micelles**
 mixed, penetration into the epidermis, 143
 sodium dodecyl sulfate, penetration into the
 epidermis, 143
- Moisturizers**
 humectant-containing gels, 321
 moisture mask, 9
- Mosquito repellents**
 methyl neodecanamide (MNDA) vs Deet, 283
- Odors** (*see also* Fragrance(s))
 of furan compounds, 493
- Oils**
 castor, 335
 coconut, 175, 214
 lavender, 429
 mineral, 175, 214
 sunflower, 175, 214
- Photodamage**
 in human hair, UV-induced, 210

Photostability

of sunscreens, 87, 513

Plant extracts

anti-irritant activity of, 106

anti-melanogenic ingredients in *Ramulus mori*, 133

auxins, 106

castor oil, 335

coconut oil, 175, 214

fermented sage compound, cosmeceutical properties of, 224

green tea extract (polyphenone), in hydrophilic gel, 104

isoflavones, 106

lavender oil, 429

licorice root extract (*Glycyrrhiza glabra* L.), antioxidant activity of, 551

onion leaf extracts, 106

sunflower oil, 175, 214

tasselin, 106

Polymers (see also Cationic compounds;

Silicones)

acrylate-silicone graft copolymer as dispersing agent, 526

biphasic film, 569

cationic polymers, effects on creep, behavior of hair fibers, 63

hydrophilically modified silicone elastomers, 193

luster parameters in polymer-treated hair, 335

model polymeric cationic conditioning compounds, interaction with keratin, 63

PEGylated latexes, 569

perfluoroalkylethyl acrylate copolymers, 318 and scale-lifting phenomenon of hair surface cuticle cells, 63

Preservatives

diffusion of, from topical dosage forms, 239

efficacy testing of, 1, 411

esters, 239

extraction of, 239

HPLC analysis of, 239

quantitative analysis of, 239

in sunscreens, 1

Product perception

and emotional factors, 94

Prohibited ingredients

studies for identifying, 318

Protein(s)

loss from hair, 175, 214

modification in hair, 379

separation of, in hair, 379

transactivator of transcription (TAT) in slimming products, 483

Rheology

changes in cosmetics, 321

modification of silicone elastomers, 193

rheological measuring device, use of, 321

of sunscreen microemulsions, 451

Safety tests

of Deofix™, 251

hair strand test, for testing antifungal effects of antidandruff preparations, 263

Scalp (see also Dandruff)

hair length, 53, 367

keratin, 263

sebum-rich surface of, 263

Sebum

facial, 317

on scalp surface, growth of yeasts, 263

synthetic, 335

Sensory measurement

differentiation of commercial facial wipes, 100

in evaluation of hair fiber hydration, 527

of potential fragrance-retaining materials, 96

understanding how human senses work, 92

rheological measuring device, use of, 321

Silicones (see also Polymers)

cross-linked, 427

elastomers, hydrophilically modified, 193

Skin

acne, 220, 222, 226

aged and aging, 104, 318

alpha-tocopherol permeation of, 161

assessment, 317

bioengineering techniques, 319

blood flow in, 499

color, 108

damage, 104, 161

dryness, 108

epidermis, penetration of sodium dodecyl sulfate micelles into, 29, 143

hydration, 9, 109, 526

immunosurveillance of, 90

in vitro permeation by lactic acid gel, 421

irritation, 21-day and 14-day tests, 443

luminance, 108

mouse, penetration enhancement in, 483

permeation by TAT-GKH peptide, 483

Ramulus mori extracts as a whitening ingredient, 133

sensitivity, 525

Skin assessment

analysis of eye movement of evaluator, 317

identification of sensitivity through

corneocyte measurement, 525

imaging by confocal microscope technique, 428

relationship between physical parameters and blood flow in human face, 499

Skin care

efficacy of 2% polyphenone in a hydrophilic gel on aged and damaged facial skin, 104

- skinfeel and handfeel of disposable facial wipes, 100
- percutaneous absorption by skincare products, 317
- soothing and calming effects of
 - N-acetyl-Tyr-Arg-cetylesther peptide, 98
- Solid-phase extraction**
 - Determination of methylparaben in o/w emulsions by, 47
- Solvents**
 - polarity of, 87
- Sonication**
 - from ultrasonic wave beauty devices, 319
- Spectroscopy**
 - in vitro*, of sunscreen products, 463
 - UV, in vitamin E acetate penetration studies, 119
- Stratum corneum** (*see also* Skin)
 - aqueous pore radius in, 29
 - interplay between corneocytes and lipids in, 102
 - penetration of vitamin E acetate, 119
 - thickness of, 108
 - water barrier in, 110
 - water-handling properties of, 289
- Sun protection factors (SPFs)**
 - predictions from UV filter blends, 463
- Sunscreen(s)**
 - film geometry, continuous height distribution model of, 463
 - overview of, 86
 - o/w microemulsion as vehicle for, 451
 - photoprotection against UV-induced reactive oxygen species, 589
 - photostability in, 87, 513
 - preservative systems in, 1
 - rutile-based pigments in, 513
 - treatment efficiency of, 513
 - UV filters in, 87, 463
- Surfactants**
 - amphoteric, 559
 - anionic, 559
 - evaluation of, on dyed hair, 318
 - in multicomponent fragrance, 429
 - non-ionic, 559
 - in o/w microemulsions, 451
- Tape stripping**
 - quantification of vitamin E acetate penetration by, 119
 - separation of stratum corneum from epidermis, 161
 - and stratum corneum water barrier, 110
- Triclosan™**
 - antimicrobial activity of, 537
 - aqueous solubility of, 537
 - as deodorant, 251
 - molecular structure of, 537
- Ultraviolet radiation**
 - and cutaneous skin damage, 161
 - effect on hair roughness and thickness,
 - analysis by atomic force microscopy, 271
 - filters in sunscreens, 87, 463
 - and photochemical oxidation of hair, 379
 - protection from, by rutile-based pigments, 513
- Vitamin A**
 - and acne, 220
- Vitamin C**
 - bioconversion from sodium ascorbyl phosphate within the epidermis, 589
- Vitamin E acetate**
 - bioconversion to vitamin E within the epidermis, 589
 - penetration studies of, 119