

RESULTS OF TESTING FOR 1,4-DIOXANE BY GAS CHROMATOGRAPHY/MASS SPECTROMETRY

LATEST TEST RESULTS · TESTING PERFORMED 2007-2010



METHOD: An aliquot of sample was accurately weighed into a vial with 5 mL water and one gram of sodium sulfate. Internal standard (5 µg 1,4-Dioxane-d8) was added. The vial was capped and heated at 95°C for 60 minutes. A one mL aliquot of the headspace over the sample was analyzed by direct injection. The results are given below.

CONDITIONS: Instrument: Agilent 5973N · Column: 25 m x 0.20 mm HP-624, 1.12 micron film Column Temp: 40°C (hold 3 min) to 100°C at 10°C/min, then to 180°C at 25°C/min (hold 5 min) · Injector Temp: 220°C · Mass Range: Selected ion monitoring: masses 43, 58, 88 (dioxane); 64 and 96 (dioxane-d8); 1.72 cycles per second.



PRODUCT TESTED	PARTS PER MILLION (µg/g)
365 Everyday Value Body Lotion	ND
365 Everyday Value Shampoo	2.2
365 Everyday Value Shower Gel - Citrus Grapefruit	1
Ajax Dish Liquid Lemon	1.2
Alba Moisturizing Foam Shave Mango Vanilla	ND
Alba Passion Fruit Body Wash (Hain Celestial)	ND
Alba Very Emollient Bath & Shower Gel (Island Citrus)	ND
ALL Laundry Detergent	0.6
Arm & Hammer Laundry Detergent	5
Aubrey Organics Natural Baby and Kids Bath Soap	ND
Aubrey Organics Natural Baby and Kids Shampoo	ND
Aubrey Organics Swimmer's Normalizing Shampoo	ND
Aura Cacia Natural Aromatherapy Bubble Bath	14.9
Avalon Organics Glycerin Hand Soap	ND
Avalon Organics Nourishing Shampoo	ND
Bath & Bodyworks Shower Gel	2
Body Essence Ultra Moisturizing Tea Tree Oil Body Wash	5.1
Burt's Bees Body Wash	ND
Burt's Bees Citrus & Ginger Root Hand Soap	ND
Burt's Bees Volumizing Shampoo	ND
Caress Cashmere Luxury Body Wash	0.7
Cheer BrightCLEAN Detergent	20
Circle of Friends Buenas Noches Bubble Bath	ND
Circle of Friends No Tearski Shampoo	2.1
Citrus Magic 100% Natural Dish Liquid	ND
Clairol Herbal Essences Body Envy Volumizing Shampoo	24
Clairol Herbal Essences Drama Clean Refreshing Shampoo	10
Clairol Herbal Essences Long Term Relationship Shampoo for Long Hair	14
Clorox Green Works Natural All-Purpose Cleaner	ND
Clorox Green Works Natural Dilutable Cleaner	ND
Clorox Green Works Natural Dishwashing liquid	ND
Clorox Green Works Natural Laundry detergent	ND
CVS Body Wash	3.4
Desert Essence Body Wash	ND
Desert Essence Organics Hair Care Lemon Tea Tree Shampoo	ND
Dial Body Wash	1.7
Dial Clean & Soft Aloe Antibacterial Hand Soap	18
Disney Clean as Can Bee Hair & Body Wash	8.8
Disney Pixar Cars Piston Cup Bubble Bath	2.2
Dove Deep Moisture Beauty Body Wash	1

PRODUCT TESTED	PARTS PER MILLION (µg/g)
Dr. Bronner's and Sundog Magic Orange Lavender Organic lotion	ND
Dr. Bronner's and Sundog Magic Organic lotion	ND
Dr. Bronner's Liquid Peppermint Soap	ND
Dr. Bronner's Magic All-One Organic Fair Trade Shikakai Soap	ND
Dr. Bronner's Magic Soaps 18-in-1 Hemp Almond Pure Castile Soap	ND
Dr. Bronner's Sal Suds Cleaner	ND
Dr. Hauschka Apricot and Sea Buckthorn Shampoo	ND
Dr. Hauschka Body Wash Fresh	ND
Dreft Powdered Detergent	ND
Earth Friendly Products Ecos Laundry Detergent	ND
Earth Friendly Products Ultra Dishmate	ND
Earth Therapeutics Loofah Exfoliating Scrub Oatmeal & Honey	0.9
Ecco Bella Moisturizing Shampoo Vanilla	ND
Ecover Dishwashing Liquid	2.4
Emerald Forest with Sapayul Botanical Shampoo	1.7
EO All Purpose Soap	ND
EO Nourishing Shower Gel	ND
EO Volumizing Shampoo	ND
Era 2X Ultra Laundry Detergent	14
Fresh Milk Milk Bath & Shower Cream	2.6
Gain 2X Ultra Laundry Detergent	21
Garnier Fructis Fortifying Shampoo For Normal Hair	3.8
Gerber Grins & Giggles Gentle & Mild Aloe Vera Baby Shampoo	8.4
Giovanni Cleanse Body Wash	ND
Giovanni Golden Wheat Shampoo	ND
Giovanni Smooth as Silk Deep Moisture Shampoo	ND
Grandpa's Pine Tar Shampoo	7.8
Head & Shoulders 2 in 1 Classic Clean Dandruff Shampoo + Conditioner	9.3
Head & Shoulders Extra Volume Dandruff Shampoo	12
Head Organics Clearly Head Shampoo	ND
Healthy Times Baby's Herbal Garden Honeysuckle Baby Bath	5.3
Healthy Times Baby's Herbal Garden Pansy Flower Shampoo	8.2
Herbal Clear PG Free Aloe Fresh Deodorant	ND
Huggies Baby Wash Shea Butter	4
Huggies Natural Care Baby Wash Extra Gentle and Tear Free	2.3
Hugo Vanilla & Sweet Orange Conditioner	0.6
Intelligent Nutrients 100% Nontoxic Plant Chemistry Body Cleanser	ND
Intelligent Nutrients 100% Nontoxic Plant Chemistry Hair Cleanser	ND
Irish Spring Body Wash	4.4
Ivory Snow Laundry Detergent	31

NOTES : ND = NOT DETECTABLE · DETECTION LIMIT IS 0.2

PRODUCT TESTED	PARTS PER MILLION (µg/g)
Jason Apricot Deodorant Stick	ND
Jason Apricot Satin Soap	ND
Jason Fragrance Free Satin Soap	ND
Jason Tea Tree Scalp Normalizing Shampoo	ND
John Frieda Root Awakening Shampoo	18
Johnson & Johnson Head-to-Toe Baby Wash	0.6
Johnson & Johnson Kids Shampoo Watermelon Explosion	10
Johnson's Body Care Intense Moisture Body Wash	0.8
Joy Ultra Concentrated Dishwashing Liquid	1.5
Kid Care Hello Kitty Bubblebath	12
Kid Care Lil' Bratz Mild Bubble Bath	3.7
Kid Care Scooby-Doo Mild Bubble Bath	3
Kiss My Face Early to Bed Shower Gel & Foaming Bath	ND
Kiss My Face Everyday spf 15 Moisturizer	ND
Kiss my Face Lavender & Chamomile Self Foaming Liquid Soap	ND
Kiss my Face Moisture Soap	ND
Kiss my Face Obsessively Organic Whenever Shampoo	ND
Kroger Dandruff Shampoo	13
Lamas Soy Hydrating Shampoo for Chemically Treated Dry or Damaged Hair	ND
Lever 2000 Advanced Body Wash with Vaseline Intensive Care Fresh Aloe	0.9
Lever 2000 Original bodywash	1.3
Life Tree Citrus Fresh Dish Soap (Lotus Brands)	ND
Life Tree Laundry Liquid (Lotus Brands)	ND
Lily of the Desert Aloe Vera 80 Facial Wash	ND
Long's Extra Moisturizing Body Wash	4.9
L'Oreal Kids Orange Mango Smoothie Shampoo	2
Lubriderm Daily Moisture Lotion - Normal to Dry Skin - Fragrance Free	ND
Method Creamy Hand Wash - Almond Flower Natural Hand Wash	0.2
Method Dish Naturally Derived Ultra Concentrate	2.9
Method Hand Wash	ND
Method Squeaky Green Laundry detergent	ND
Mr. Bubble Bubble Bath Gentle Formula with Aloe	1.5
Nature's Gate Awapuhi Volumizing Shampoo	3.5
Nature's Gate Baby Soothing Shampoo	1.6
Nature's Gate Lavender & Aloe Deodorant	ND
Nature's Gate Oatmeal Velvet moisturizing Liquid Soap	ND
Nature's Gate Organics Fruit Blend Body Wash	ND
Nature's Gate Organics Fruit Blend Shampoo	ND
Nick Jr. Dora the Explorer Strawberry Bubble Bath	1.8
Nourish Food for your Healthy Skin Organic Chai Vanilla Body Wash from Sensibility Soaps	ND
Nourish Food for your Healthy Skin Organic Fragrance-Free Hand Wash from Sensibility Soaps	ND
Nourish Organic Vanilla Yogurt Body Butter	ND
Nutribiotic Super Shower Gel Shampoo with GSE (fresh fruit)	0.5

PRODUCT TESTED	PARTS PER MILLION (µg/g)
Olay Body Ultra Moisture with Shea Butter Body Wash	7.8
Olay Complete Body Wash with Vitamins	23
Origins for Men Skin Diver Active Charcoal Body Wash	3.1
Origins Ginger Burst Savory Body Wash	2
Origins Ginger Up Aromatic Conditioner	ND
Origins Hydrating Body Lotion	ND
Origins Sunshine State SPF 20 Sunscreen	ND
Palmolive Original dish liquid	0.9
Palmolive Pure + Clear Sparkling Fresh Concentrated Dish Liquid	8.6
Pantene Pro-V Moisture Renewal Shampoo	6.5
Planet Ultra Dishwashing Liquid	1
Planet Ultra Liquid Laundry Detergent	6.1
Pure Basic Natural Bath & Body Wash Wild Banana Vanilla	ND
Purex Laundry Detergent	25
Rainbow Gentle Antibacterial Soap	1.3
Rainbow Soap for Kids	1.1
Rite-Aid Tearless Baby Shampoo	4.3
Sea-Chi Organics Tasmanian Lavender Shampoo	7.5
Seventh Generation Free & Clear Detergent	ND
Seventh Generation Natural Dish Liquid	ND
ShenMin Vitalize Shampoo for Thin Fine Hair	2.7
Shikai Moisturizing Shower Gel	2.5
Shikai Natural Everyday Shampoo	ND
Shikai Natural Shampoo	ND
Softsoap Pink Grapefruit Splash Moisturizing Body Wash	1.3
Spongebob Squarepants Body Wash	0.8
Suave Naturals Passion Flower	2
Sun Burst Laundry Detergent	ND
TerrEssential Organic Baby Wash	ND
TerrEssential Organic Body Wash Cool Mint	ND
TerrEssential Organic Flower Therapy Silken Velvet Body Lotion	ND
TerrEssential Organic Fragrance-Free Facial Cleanser	ND
TerrEssential Organic Real Soap for Hands Jammin Spice with Organic Tea Tree Oil	ND
TerrEssential Organic Sultry Spice Pure Earth Hair Wash	ND
The Village Company Sesame Street Wet Wild Watermelon Bubble Bath	7.4
There Shower Gel (made for Cost Plus World Market)	3.4
Tide Laundry Detergent	55
Tide Free Laundry Detergent	29
Ultra-Hair Conditioning Shampoo	1.2
White Tea Bubble Bath (made for Cost Plus World Market)	3.9
White Tea Hand Wash (made for Cost Plus World Market)	3.4
Wisk 2X Ultra Laundry Detergent	3.9
Woolite Complete Laundry Detergent	1.3
Zia Fresh Cleansing Gel with Sea Algae	ND
Zia Skin Basics Daily Moisture Screen SPF 15 with Cucumber	ND

Notes : ND = Not detectable · Detection limit is 0.2

TESTED BY THE INDEPENDENT THIRD-PARTY LABORATORY EXOVA

www.1-4dioxane.com

www.organicconsumers.org/bodycare/

