

Compact by Design Category Thresholds and Additional Information

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1. Compact by Design category thresholds

| Category Name | "Unit" unit of measure | Threshold Value |
|---------------------------|------------------------|-----------------|
| AC Filters | count | 7.441235476 |
| Air Purifier Filters | count | 18.3223109 |
| Allergy Relief | count | 0.000029266 |
| Antacids | count | 0.000133898 |
| Astringent Powders | ounce | 0.205795918 |
| Baby Cereal | ounce | 0.502928983 |
| Baby Wipes | count | 0.016200947 |
| Baking Cups | count | 0.000854144 |
| Baking Mix | ounce | 0.215466118 |
| Bathwater additive | ounce | 0.132870083 |
| Bandages | count | 0.001535113 |
| Body Scrub | fl_oz | 0.126299996 |
| Breakfast Cereal | ounce | 0.364682835 |
| Bronzer and Blush Powder | ounce | 3.133473908 |
| Calcium Supplement | count | 0.000362695 |
| Cell Phone Cables | count | 0.294286968 |
| Cellphone Data Cables | count | 0.145560723 |
| Children's Vitamins | count | 0.000318177 |
| Cold and Flu Remedies | count | 0.000328231 |
| Collagen supplement | ounce | 0.425343795 |
| Computer Lightning Cables | count | 0.352973112 |
| Computer USB Cables | count | 0.589240465 |
| Conditioner | fl_oz | 0.17129922 |
| Conditioner Bars | ounce | 1.71438596 |
| Conditioning Shampoo Bars | oz | 4.673587214 |
| Conditioning Shampoos | fl_oz | 0.167178615 |
| Cosmetic Powder | ounce | 1.154225183 |
| Cough Drops | count | 0.001397466 |
| Cough Syrup | fl_oz | 0.198584487 |

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| Crackers | ounce | 0.60009587 |
| Dehydrated Pet Food | ounce | 1.674722964 |
| Dishwasher Detergent Pods and Tabs | count | 0.070117164 |
| Dry Pet Food | pound | 58.27831539 |
| Eczema Relief | oz | 0.215276367 |
| Essential Oils | fl_oz | 0.91774359 |
| Eyebrow Color | ounce | 0.1206118586 |
| Eyelid Color | ounce | 0.349817925 |
| Eyelid Color | fl_oz | 1.04842805 |
| Fabric Softener | fl_oz | 0.227143942 |
| Fabric Softener | oz | 0.235872726 |
| Fabric Softener | count | 0.003132078 |
| Facial Astringents | fl_oz | 0.169761131 |
| Facial Cleansing Pads | count | 0.000527312 |
| Facial Cleansing Wipes | count | 0.003895535 |
| Facial Mask Powder | ounce | 0.201881414 |
| Facial Tissue | count | 0.000596738 |
| Flavored Drink Concentrate | fl_oz | 0.002465635 |
| Floor Cleaners | fl_oz | 0.182126543 |
| Foot Mask | count | 0.610080294 |
| Household Glass Cleaners | fl_oz | 0.199083576 |
| Hair Coloring Agent | fl_oz | 0.153006451 |
| Hair Gels and Creams | ounce | 0.200122346 |
| Hair Removal Wax | ounce | 0.156252909 |
| HDMI Cables | count | 2.038132196 |
| HEPA Air Filters | count | 18.3223109 |
| Honey | ounce | 0.112367644 |
| Household Cleaning Wipes | count | 0.024265392 |
| Iron Supplement | count | 0.000102673 |
| Jerky | ounce | 0.32656617 |
| Kitchen Trash Bags | count | 0.05664354 |
| Laundry Detergent | loads | 0.095495635 |
| Lip Balm | count | 0.02837219 |
| Lip Color | ounce | 1.715162747 |
| Liquid Bathroom Cleaners | fl_oz | 0.197507565 |
| Liquid Bronzer and Blush | fl_oz | 0.311364368 |
| Liquid Dishwasher Detergent | fl_oz | 0.170107593 |
| Household Liquid Multipurpose Cleaners | fl_oz | 0.003185087 |
| Liquid Soap | fl_oz | 0.207686259 |

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| Liquid Stitches and Bandages | fl_oz | 0.419249847 |
| Liquid Sunscreen | fl_oz | 0.230160209 |
| Loose Leaf Tea | ounce | 0.278788756 |
| Magnesium Supplement | count | 0.000339248 |
| Mascara | fl_oz | 0.850219466 |
| Moisturizing Lotion | fl_oz | 0.179692419 |
| Moisturizing Lotion Bars/Moisturizing Creams | ounce | 0.201275982 |
| Mouthwash | fl_oz | 0.177328247 |
| Multivitamins | count | 0.000512606 |
| Nuts and Seeds | ounce | 0.250317043 |
| Pain Medication | count | 0.000059613 |
| Panty Liners | count | 0.003081933 |
| Paper Towels | count | 0.008590416 |
| Pasta and Noodles | ounce | 0.214586389 |
| Personal Cleaning Wipes | count | 0.002089005 |
| Pet odor and stain remover | fl_oz | 0.189201619 |
| Pet Shampoo | fl_oz | 0.158838889 |
| Pet Treats | ounce | 0.345855902 |
| Pet Waste Bags | count | 0.000424351 |
| Pitcher Water Filters | count | 14.43952315 |
| Popcorn | ounce | 0.214391661 |
| Powdered Dishwasher Detergent | ounce | 0.117094237 |
| Probiotic Supplement | count | 0.000402861 |
| Protein Powder | ounce | 0.4355191286 |
| Roll-on Deodorant | fl_oz | 0.203057476 |
| Room deodorizer | fl_oz | 0.275612297 |
| Sanitary Napkins | count | 0.01389496 |
| Shampoo | fl_oz | 0.184505427 |
| Shampoo Bars | ounce | 0.363322636 |
| Shaving cream | fl_oz | 0.200496752 |
| Shaving cream | ounce | 0.171622208 |
| Skin foundation and concealer | fl_oz | 0.357825981 |
| Skin foundation and concealer | ounce | 0.52937477 |
| Small Trash Bags | count | 0.002290142 |
| Snack Food Bars | count | 0.762063521 |
| Soap Bars and Powders | ounce | 0.127204379 |
| Solid Deodorant | ounce | 0.281085276 |
| Sunscreen Bars | ounce | 0.260603429 |
| Tampons | count | 0.004308811 |
| Tea Bags | count | 0.009888123 |

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| Toilet Paper | sheets | 0.000183663 |
| Tooth Whiteners | count | 0.010619093 |
| Toothpaste | ounce | 0.235559095 |
| Toothpaste Capsules | count | 0.004530731 |
| Vinegar | fl_oz | 0.225719904 |
| Vitamin B | count | 0.00009711 |
| Vitamin C | count | 0.000315693 |
| Vitamin D | count | 0.000050488 |
| Vitamin E | count | 0.000051524 |
| Wax Strips | count | 0.00109653 |
| Wet Pet Food | ounce | 0.194355963 |
| Whole Bean, Ground, and Instant Coffee | ounce | 0.303711531 |
| Zinc Supplement | count | 0.000106899 |

2. Compact by Design example calculations

Example A. Liquid Shampoo Bottle

Dimensions: 3 inches X 2 inches X 12 inches

Weight: 1.2 pounds

Unit: 20 fl. oz.

$$\left(\frac{3 \text{ inches} \times 2 \text{ inches} \times 12 \text{ inches}}{20 \text{ fl. oz.}} \right) \times \left(\frac{1.2 \text{ pounds}}{20 \text{ fl. oz.}} \right) = 0.216$$

0.216 = unit efficiency

Shampoo threshold (fl. oz.) = 0.184505427

0.216 > 0.184505427, so Example A. is not Compact by Design

Example B. Vitamin B

Dimensions: 1.5 inches X 1.5 inches X 3.5 inches

Weight: 0.05 pounds

Unit: 100 count

$$\left(\frac{1.5 \text{ inches} \times 1.5 \text{ inches} \times 3.5 \text{ inches}}{100 \text{ count}} \right) \times \left(\frac{0.05 \text{ pounds}}{100 \text{ count}} \right) = 0.000039375$$

0.000039375 = unit efficiency

Vitamin B threshold (count) = 0.00009711

0.000039375 < 0.00009711, so Example B. is Compact by Design

Example C. Laundry Detergent

Dimensions: 4.9 inches X 8.6 inches X 12.9 inches

Weight: 7.5 pounds

Unit: 128 loads

$$\left(\frac{4.9 \text{ inches} \times 8.6 \text{ inches} \times 12.9 \text{ inches}}{128 \text{ loads}} \right) \times \left(\frac{7.5 \text{ pounds}}{128 \text{ loads}} \right) = 0.248843079$$

0.248843079 = unit efficiency

Laundry detergent threshold (loads) = 0.095495635

0.248843079 > 0.095495635, so Example C. is not Compact by Design

3. Calculating Unit Efficiency for concentrated products

For concentrated products such as concentrated cleaners, where a customer has to add water prior to use, we determine the number of units using the product's "equivalent product volume." Equivalent product volume represents the total "usable" volume of the product when un-concentrated or mixed with the appropriate amount of liquid. Equivalent product volume is used in place of "unit" in the denominator of our efficiency equation. This value can be updated in Seller Central or Vendor Central.

Equivalent Product Volume Calculation:

Product A: 32 fl. oz. concentrated cleaner.

Instructions are to dilute 2 fl. oz. of the cleaner with 1 gal (128 fl. oz.) of water before using.

Determine volume of each customer use:

$$(2 \text{ fl. oz. cleaner}) + (128 \text{ fl. oz. water}) = 130 \text{ fl. oz.} \\ = \text{total volume for 1 customer use}$$

Determine the total volume of customer uses in product (equivalent product volume):

$$\left(\frac{32 \text{ fl. oz. cleaner}}{1} \right) \times \left(\frac{1 \text{ customer use}}{2 \text{ fl. oz. cleaner}} \right) \times \left(\frac{130 \text{ fl. oz.}}{1 \text{ customer use}} \right) \\ = 2,080 \text{ fl. oz. equivalent product vol.}$$

Use equivalent product volume in unit efficiency calculation:

$$\left(\frac{\text{Length} \times \text{Width} \times \text{Height}}{2,080 \text{ fl. oz.}} \right) \times \left(\frac{\text{Weight}}{2,080 \text{ fl. oz.}} \right) = \text{unit efficiency}$$