A volume test was performed on the two smaller bubbles on the new Maverick pouch to determine the consistency of each bubble’s capacity. On each pouch, the large bubble was filled to capacity (a little over 5 mL) with tap water, then the opening was sealed so the water could be forced into the lower bubbles. After the water was flowing into the lower bubbles, a 1,064 g weight with a 30 mm diameter was placed on the large bubble to ensure a uniform force. Next, the canals between the bubbles were sealed and the bubbles were cut out from the pouch so that the size of each bubble was identical. The bubbles were then weighed and the mass of the empty bubble was subtracted from the mass of the full bubble.

The results are as follows:

|  |  |  |
| --- | --- | --- |
|  | Small Bubble | Large Bubble |
| Average | 0.0640 g | 0.4718 g |
| Maximum | 0.0706 g | 0.5330 g |
| Minimum | 0.0563 g | 0.4406 g |
| Max Variance (avg – max) | 0.0066 g (10.4%) | 0.0612 g (13.0%) |
| Min Variance (min – avg) | 0.0077 g (12.0%) | 0.0312 g (6.6%) |