V New Issues / Action Items for multiple standards

C. Hot & Cold Extraction Testing (DWTU-2020-3)

Motion: Revise section 4.2.3.4 with proposed language with an amendment to also clarify that the products are designed to be heated or cooled, and testing will be done at the factory default setting. If adjustable, the product will set at the highest temperature setting. T. Palkon motioned; R. Herman seconded.

Discussion: T. Palkon stated that additional language should be added to section 4.2.3.4 to provide guidance on sampling multi-outlet systems that dispense hot and cold water. Water treatment systems are being incorporated into hot and cold-water dispensers. The DWTU standards do not currently provide guidance and the product water that should be sampled for extraction testing. T. Palkon noted that water temperature may influence the products ability to pass the extraction testing. In addition, the hot and cold-water paths may contain different materials.

F. Lemieux raised the question of whether there would there any need to define the cool water temperature. T. Palkon reported that in his experience, these devices do not provide an adjustable setpoint, so it’s not necessary. S. Murphy suggested adding language specifying that the product is designed to heat or cool the water. There could be some applications that the water is warmed inadvertently by being stored outside, for example. R. Herman agreed. The question was raised on what the typical temperature of the water would be. T. Palkon stated that he did not know exact temperatures right off hand, but that these systems are designed for making beverages like hot tea.

R. Herman suggested that for cool water the standard could simply specify that it be set at the manufacturer’s default setting. If adjustable, however, the product should be set at the coldest temperature setting. He stated that his main concern would be for the hot water setting. Corrosion could increase, and metals leaching could occur. R. Herman agreed that most of these products are not adjustable; there is one setting each for cold or hot water.

It was clarified that this is a single extraction test is for multiple outlets. T. Donda stated that most extractants come out at hot temperatures and asked if there was a concern for the cold setting. R. Herman noted that there are a few odd situations where one would get extraction at colder temperatures.
The question was raised on whether this language should be listed under the general exposure section of standard. R. Herman explained that the reason it is specified under 4.2.3.4 is that the water going into the system should still be at an ambient temperature (23°C). The system needs to generate the cold or hot water during stagnation and then be operated and tested on how the water is delivered to system.

**Vote: All in favor.**

**Motion passed.**