SCHEDULE 3

Overall and Specific Migration Testing Using Food Simulants

PART 6

Substitute Fat Test for Overall and Specific Migration

5. Any test conditions in the Table to this Part which are generally recognised on the basis of scientific evidence as not being appropriate for the material or article to be tested must not be used.

Conventional conditions for substitute tests

Test conditions with simulant D	*Test conditions with isooctane*	*Test conditions with ethanol 95%*	*Test conditions with MPPO*[1]
10 days at 5°C	0.5 days at 5°C	10 days at 5°C	
10 days at 20°C	1 day at 20°C	10 days at 20°C	
10 days at 40°C	2 days at 20°C	10 days at 40°C	
2 hours at 70°C	0.5 hours at 40°C	2 hours at 60°C	
0.5 hours at 100°C	0.5 hours at 60°C[2]	2.5 hours at 60°C	0.5 hours at 100°C
1 hour at 100°C	1 hour at 60°C[2]	3 hours at 60°C[2]	1 hour at 100°C
2 hours at 100°C	1.5 hours at 60°C[2]	3.5 hours at 60°C[2]	2 hours at 100°C
0.5 hours at 121°C	1.5 hours at 60°C[2]	3.5 hours at 60°C[2]	0.5 hours at 121°C
1 hour at 121°C	2 hours at 60°C[2]	4 hours at 60°C[2]	1 hour at 121°C
2 hours at 121°C	2.5 hours at 60°C[2]	4.5 hours at 60°C[2]	2 hours at 121°C
0.5 hours at 130°C	2 hours at 60°C[2]	4 hours at 60°C[2]	0.5 hours at 130°C
1 hour at 130°C	2.5 hours at 60°C[2]	4.5 hours at 60°C[2]	1 hour at 130°C
2 hours at 150°C	3 hours at 60°C[2]	5 hours at 60°C[2]	2 hours at 150°C
2 hours at 175°C	4 hours at 60°C[2]	6 hours at 60°C[2]	2 hours at 175°C

(1) MPPO = Modified polyphenylene oxide

(2) The volatile test media are used up to a maximum temperature of 60°C. A precondition of using these tests is that the material or article will withstand the test conditions that would otherwise be used with simulant D. Immerse a test specimen in olive oil under the appropriate conditions. If the physical properties are changed (eg melting, deformation) then the material is considered unsuitable for use at that temperature. If the physical properties are not changed then proceed with the substitute tests using new specimens.