6505-890-2218 (P. D. No. 2)

4.3.7 Palatability test. A taste panel consisting of 10 members will be used to determine acceptability of samples. Samples will be prepared for testing (samples will be tested undiluted), coded, and served to panel members under controlled serving conditions, e.g., all samples will be of the same amount, and served at the same temperature; each panel member will receive an equal number of samples; the order of serving will varied among panel members; an interval of at least five (5) minutes will elapse between successive samples and panel members will rinse their mouths with water (room temperature) after each sample; panel members will test without interference either from each other or from outsiders. The product offered shall be rated equal to or better than the FSN 6505-890-2218 Palatability Standard* when determined by the taste panel, using the 9-point hedonic rating scale. The average rating of the sample shall be equal to or greater than the average rating of the standard, similarly prepared and tested.

1	2	3	4	5	6	7	8	9
Dislike extremely	Dislike very much	Dislike moderately	Dislike slightly	Neither like nor dislike	Like slightly	Like moderately	Like very much	Like extremely

*The FSN 6505-890-2218 Palatability Standard is available, upon separate request to the contracting officer, Defense Personnel Support Center.

4.3.8 Foam collapse time. The collapse time for the simethicone emulsion shall be determined as follows:

Reagents.

1. Triton X-100.
2. F.D. & C. Blue #1 dye.

Procedure. Prepare a 1 percent (w/v) solution of Triton X-100 in purified water. To each liter of this solution add 5 mg of F.D. & C. Blue #1. Clamp a new, clean, eight-ounce flint glass jar in a vertical position on a wrist action shaker so that the distance between the center of the shaft and the center of the jar is 5-1/4 inches. Add 100 ml of the Triton X-100 solution to the jar. Weigh 1.0 gram of the simethicone emulsion into a 50-ml bottle. Add 30 ml of purified water and shake thoroughly. Using a serological 1.0 ml pipet, withdraw three 1.0 ml samples and discard. Draw an additional 1.0 ml sample and slowly transfer (dropwise) 0.5 ml to the center of the jar. Discard the remainder. (Note: DO NOT BLOW OUT THE PIPET OR TOUCH PIPET TO THE SIDES OF THE JAR.) Cap the jar and using the position for maximum stroke, shake the jar for 10 seconds. Determine the collapse time of the foam in seconds. The collapse time is taken when the first portion of foam-free liquid surface. Repeat the test with a fresh sample and a new clean jar. Average the results to report the defoaming activity.