

TABLE 3
WATER ENHANCER
TECHNICAL DATA SHEET – THICKENED PRODUCTS
(Ref: FSM 5160)

PRODUCT NAME: _____

SUBMITTING CO.: _____

FORMULATION IDENTIFICATION: _____

MIX RATIO RANGE: _____ lb/gal H₂O **OR** _____ gal/gal H₂O (Fill in one blank.)

If the submitted product is the result of a chemical reaction, provide information explaining the reaction process and typical residual quantities of the reaction ingredients. *(Attach a separate sheet if needed.)*

Provide the data, graphs, or tables listed below for each mix ratio for which evaluation has been requested.

1. A graph of water enhancer mixture viscosity versus time since mixing, at a temperature test of 70 °F (21 °C). At a minimum, include viscosity at 10 minutes, 20 minutes, 30 minutes, 60 minutes, 4 hours, 8 hours, and 24 hours, after mixing.
2. A table of enhanced water mixture viscosity versus temperature of water used for mixing. Viscosity shall be measured at 10 minutes, 30 minutes, 1 hour, and 24 hours following mixing. Temperatures of the tap water used for mixing shall be 40 °F (4 °C), 70 °F (21 °C), and 100 °F (38 °C).
3. A table of enhanced water mixture viscosity at 70 °F (21 °C), 1 hour and 24 hours following mixing, versus the mix ratio from 0.25 percent below the lowest concentration to 0.25 percent above the highest concentration, i.e. if range is 1-3% then provide data for 0.75%, 1%, 1.25%, 1.5% . . . up to 3.25%.
4. A table of hardness and conductivity versus viscosity of the enhanced water mixture at 70 °F (21 °C) for 10 minutes, 30 minutes, 45 minutes, and 1 hour after mixing.

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