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Vehicle for Oral Suspension

DEFINITION

Prepare Vehicle for Oral Suspension as follows (see *Pharmaceutical Compounding—Nonsterile Preparations* ⟨795⟩).

Cellulose, Microcrystalline	800 mg
Xanthan Gum	200 mg
Carrageenan	150 mg
Carboxymethylcellulose Sodium (High Viscosity)	25 mg
Citric Acid	250 mg
Sodium Phosphate, Dibasic	120 mg
Simethicone	0.1 mL
Potassium Sorbate	100 mg
Methylparaben	100 mg
Purified Water, a sufficient quantity to make	100 mL

Calculate the quantity of each ingredient required for the total amount to be prepared. Accurately weigh/measure each ingredient. Heat about 90 mL of the *Purified Water* to 70°–75°. Dissolve the *Methylparaben*, followed by the *Citric Acid*, *Dibasic Sodium Phosphate*, and *Potassium Sorbate* in the heated water. Remove from the heat. With constant mixing, slowly sprinkle the *Microcrystalline Cellulose*, *Xanthan Gum*, *Carrageenan*, and *Carboxymethylcellulose Sodium* into the mixture. Continue to stir until fully hydrated, add the *Simethicone*, and mix well. Add sufficient *Purified Water* to volume, and mix well. Adjust the pH if necessary. Package, and label.

SPECIFIC TESTS

• **pH** ⟨791⟩**:** An apparent pH between 4.0 and 5.0

ADDITIONAL REQUIREMENTS

• **Packaging and Storage:** Package in a tight, light-resistant container, and store at controlled room temperature.

• **Labeling:** Label it to indicate that it is for use in compounding oral solutions and suspensions.

Change to read:

• **Beyond-Use Date:** NMT 6 months after preparation. ▲▲ (CN 1-Nov-2023)

Auxiliary Information - Please check for your question in the FAQs before contacting USP.

Topic/Question	Contact	Expert Committee
VEHICLE FOR ORAL SUSPENSION	Brian Serumaga Science Program Manager	CMP2020 Compounding 2020

Topic/Question	Contact	Expert Committee
REFERENCE STANDARD SUPPORT	RS Technical Services RSTECH@usp.org	CMP2020 Compounding 2020

Chromatographic Database Information: Chromatographic Database

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