

## CERTIFICATE OF ANALYSIS

<b>Catalog #:</b> <b>Page: 1 of 2</b>	8505	<b>Lot #</b>	M42360022
<b>Description:</b>	HAV Grade II Concentrate		
<b>Viral Strain:</b>	pHM175		
<b>Source:</b>	Grown in FRhK-4 Cells Product manufactured in the United States, using only domestic animal materials.		
<b>Format:</b>	Purified Liquid	<b>Exp. Date:</b>	03 Oct 2027
<b>Identity:</b>	Western Blot Assay Acceptable Result: Must demonstrate a major band in the region of 33kD and at least 1 band in the 24 – 27kD region. The 33kD band must co-migrate with that in the standard lane. Testing Results: Pass  Silver Stain Assay Acceptable Result: Must demonstrate a major band in the region of 33kD and at least 1 band in the 24 – 27kD region. The 33kD band must co-migrate with that in the standard lane. Testing Results: Pass		
<b>Protein Concentration:</b>	BCA Assay: Acceptable Range: $\geq 25\mu\text{g/mL}$ Testing Results: $25\mu\text{g/mL}$	<b>DOM:</b>	03 Oct 2022
<b>EIA Titer:</b>	ELISA Assay: Acceptable Range: $\geq 330$ Testing Results: 414  Reference Antigen Lot Number: Q05211546 Reference Antigen Titer: 300 % Difference to Reference Antigen: 38 %		
<b>Infectivity:</b>	Plaque Assay: Acceptable Results: $< 1\text{ PFU/mL}$ Testing Results: 0 PFU/mL		
<b>Bioburden:</b>	Acceptable Range: 0 CFU/mL Testing Results: 0 CFU/mL		

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**Buffer:** NTE Buffer: 0.01M Tris, 0.15M Sodium Chloride, 1.0mM EDTA, pH 8.0 – 8.4, Formalin: <1:2000 by volume

**Preservative:** 0.085% Sodium Azide

**Applications:** Each laboratory should determine an optimum working titer for use in its particular application

**Storage:** Store at  $\leq -65^{\circ}\text{C}$ . Avoid multiple freeze/thaw cycles.

**Safety Notes:** Refer to the appropriate Safety Data Sheet (SDS) for additional information.

Quality Signature:



07 Nov 2022

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**