

# CERTIFICATE OF ANALYSIS

**Complement Technology, Inc.**  
4801 Troup Hwy, Suite 701  
Tyler, Texas 75703, USA

Product: **C7 Protein**  
Catalog # **A124** Lot #  
Exp. Date:

Description: C7 Purified Human Complement Protein, Bulk

<u>Specifications</u>	<u>Limits</u>	<u>Results</u>
PROTEIN CONCENTRATION	0.95 – 1.2 mg/mL C7 has an extinction coefficient of $E^{1\%}_{280\text{nm}} = 10.4$	1.05 mg/ml
FILL VOLUME	0.250 – 0.275 mL	0.260 mL
BUFFER	Phosphate buffered saline, pH 7.2	Phosphate buffered saline, pH 7.2
PRESERVATIVE	None, filtered through a 0.22 $\mu\text{m}$ pore size filter.	None, filtered through a 0.22 $\mu\text{m}$ pore size filter.
PURITY	> 85% by SDS PAGE	$\geq$ 95%
FUNCTIONAL ACTIVITY	Titer >150,000 C7H50/mg  >70% of C7 activity in NHS on a mg/mg basis.	227,000 Units/mg  > 100%
IMMUNOCHEMISTRY (DILUTION OUCHTERLONIES)	$\leq$ trace amounts of IgG, IgA, IgM, albumin, C3, C4, C5, C6, C8, C9, Factor B, Factor H, or Factor I	Conforms
<u>STARTING MATERIAL:</u> HUMAN SERUM/PLASMA		
HBsAg	Negative	Negative
Anti-HBc	Negative	Negative
Anti-HIV 1 and 2 Plus O	Negative	Negative
Anti-HCV	Negative	Negative
Anti-Syphilis	Negative	Negative
HIV-1/HCV/HBV by NAT	Negative	Negative
West Nile Virus (WNV) by NAT	Negative	Negative
HTLV 1 and 2	Negative	Negative

**STORE AT -70°C or BELOW.**  
**Thaw quickly at 37°C, mix, and put in an ice+water bath to cool.**  
**Avoid Repeated Freeze/Thaw**

**FOR RESEARCH USE ONLY**  
**NOT FOR HUMAN OR DRUG USE**

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Signature of Analyst

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Date of Analysis